SCH-R760

M O B I L E   P H O N E

User Manual
Please read this manual before operating your
phone and keep it for future reference.

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Table of Contents

Section 1: Getting Started

This section allows you to quickly start using your Samsung SCH-R760 phone by installing a microSD card, installing and charging the battery, activating your service, and setting up your voicemail account.

Understanding this User Manual

The sections of this manual generally follow the features of your phone. A robust index for features begins on page 195.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the guide, beginning on page 149.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from the Home screen. To get to the Home screen, you may need to unlock the phone or keypad. (For more information, refer to *"Securing Your Phone"* on page 15.)

Note: Instructions in this manual are based on default settings, and may vary from your phone, depending on the software version on your phone, and any changes to the phone's Settings.

Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone's Settings.

Special Text

In this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes**: Presents alternative options for the current feature, menu, or sub-menu.
- **Tips**: Provides quick or innovative methods, or useful shortcuts.
- **Example**: Gives an example of the feature or procedure.

- **Important**: Points out important information about the current feature that could affect performance.
- **Warning**: Brings to your attention important information to prevent loss of data or functionality, or even prevent damage to your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following text conventions are used to represent often-used steps:

➔   Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures.

Example: "From the Home screen, touch ▤ **Menu**, then touch **Settings** ➔ **Wireless and networks** ➔ **Wi-Fi settings**."

Setting Up Your Phone

Before using your phone, you need to install the battery and microSD™ card into their respective compartment and internal slot.

Important! Before removing or replacing the battery cover, make sure the phone is switched off. To turn the phone off, hold down the power key until the power-off image displays, then touch **Power off**.

Removing the battery cover

1. Hold the device firmly and locate the cover release slot (1) on the top of your phone.
2. Place your fingernail in the opening and firmly "pop" the cover off the back of the phone (2).

Release Slot
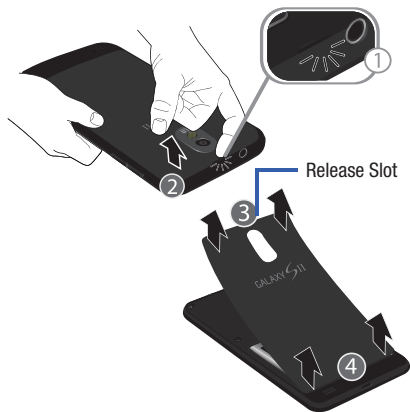
Installing the Memory Card

Your device lets you install a microSD™ (SD) or microSDHC™ memory card to expand available memory to store images, videos, music, applications, and data.

1. Remove the battery cover.
2. Locate the microSD card slot on the inside of the phone.

3. With the gold contacts facing down, carefully slide the memory card into the slot (as shown), pushing gently until it clicks into place.

Note: microSD memory cards include capacities up to 2GB. microSDHC™ memory cards include capacities up to 32GB.

Important! Be sure to align the gold contact pins on the card with the phone's contacts.

Correct

Incorrect

Removing a Memory Card

Important! To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

---

1. From the Home screen, touch ▦ **Menu**, then touch **Settings ➔ Storage ➔ Unmount SD card**.

2. Remove the rear cover. (For more information, refer to *"Removing the battery cover"* on page 6.)

3. Remove the battery cover.

4. Firmly press the card into the slot and release it. The card should pop partially out of the slot.

5. Remove the card from the slot.

6. Replace the battery cover. For more information, refer to *"Installing the battery cover"* on page 9.

Installing the Battery

1. Slide the battery into the compartment (1) so that the tabs on the end align with the slots at the bottom of the phone, making sure the connectors align.

2. Gently press down to secure the battery (2).

Removing the Battery

1. Remove the battery cover. (For more information, refer to *"Removing the battery cover"* on page 6.)

2. Lift the battery up by the slot provided (1).

3. Lift the battery up and out of the phone (2).

Installing the battery cover

■ Align the cover (1) and press it firmly into place (2), making sure it snaps into place at the corners (3 and 4).
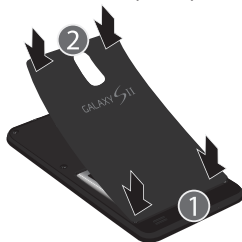
Charging the Battery

Your phone is powered by a rechargeable Li-ion battery. A wall charger, which is used for charging the battery, is included with your phone. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

Before using your phone for the first time, you must fully charge the battery. A discharged battery recharges fully in approximately 4 hours.

Charging Head

USB Cable

Correct

Incorrect
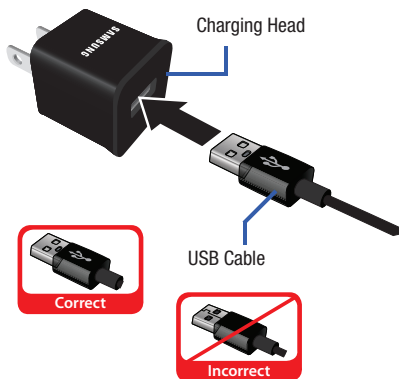
Note: Verify that the battery is installed prior to connecting the wall charger. If both the wall charger is connected and the battery is not installed, the handset will power cycle continuously and prevent proper operation. Failure to unplug the wall charger before you remove the battery, can cause the phone to become damaged.

Important! It is recommended you fully charge the battery before using your device for the first time.

1. Connect the USB cable to the charging head.
2. Locate the Charger/Accessory jack.
3. Insert the USB cable into the device's Charger/Accessory jack.
4. Plug the charging head into a standard AC power outlet. The device turns on with the screen locked and indicates both its charge state and percent of charge.

Warning! While the device is charging, if the touch screen does not function due to an unstable power supply unplug the USB power adapter from the power outlet or unplug the USB cable from the device.

Note: This illustration displays both the **correct** and **incorrect** orientation for connecting the charger. If the charger is incorrectly connected, damage to the accessory port will occur therefore voiding the phone's warranty.
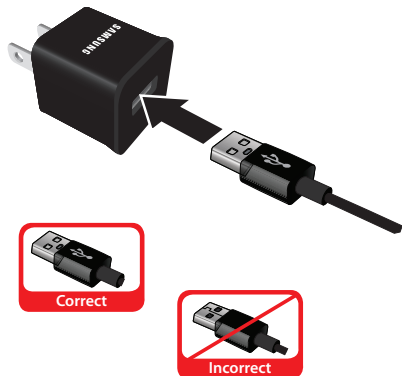
5. When charging is finished, first unplug the charger's power plug from the AC wall outlet, then disconnect the charger's connector from the phone. Plug the charging head into a standard AC power outlet.

Important! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty.
For more information, refer to *"Social Hub"* on page 179.

Battery

Your phone is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) is included with the phone, for charging the battery.

Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time. A fully discharged battery requires up to 4 hours of charge time.

After the first charge, you can use the phone while charging.

Warning! Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Note: Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

Battery Indicator

The battery icon in the Annunciator Line shows battery power level. Two to three minutes before the battery becomes too low to operate, the empty battery icon will flash and a tone will sound. If you continue to operate the phone without charging, the phone will power off.

Non-Supported Batteries

Samsung handsets do not support the use of non-approved batteries.

Important! Using a non-supported battery may damage to your phone.

When using a non-supported battery you will hear a series of beeps and see a warning message:

"**UNABLE TO CHARGE NON-SUPPORTED BATTERY. SEE USER MANUAL**"

If you receive this warning, battery charging has been disabled.

Samsung charging accessories, such as the charging head and cigarette lighter adapter, will only charge Samsung-approved batteries.

Note: When using a non-supported battery, the phone can only be used for the duration of the life of the battery and cannot be recharged.

TTY Mode

Your phone is fully TTY-compatible, allowing you to connect a TTY device to the phone's headset jack. Before you can use your phone with a TTY device, you'll need to enable TTY Mode.

For more information, refer to *"TTY mode"* on page 128.

Turning Your Phone On

■   Press and hold the **Power/Lock** key for three seconds.

While powering on, the phone connects with the network, then displays the Locked screen and puzzle pieces for any active Notification alerts.

Note: Your phone's internal antenna is located along the bottom back of the phone. Do not block the antenna; doing so may affect call quality or cause the phone to operate at a higher power level than necessary.

Turning Your Phone Off

1. Press and hold the ⬤ **Power/Lock** key for two seconds.
2. At the prompt, touch **Power off**.

Unlocking Your Phone

1. Press the ⬤ **Power/Lock** key to wake the screen.
2. Swipe the screen to unlock it.
   The Home screen appears.

Voicemail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.

Setting up Voicemail

1. Touch ⌂ **Home**, then touch 📞 **Phone**, then touch and hold 1.
2. Follow the automated instructions to set up your new password and record a greeting.

Checking Voicemail

1. Touch ⌂ **Home**, then touch 📞 **Phone**, then touch and hold 1.
2. Follow the automated instructions to manage voicemail.

Tip: You can also access **Voicemail** by dialing your phone number from any touch-tone phone.

Displaying Your Phone Number

■ Touch ⌂ **Home** ➔ ▤ **Menu**, then touch **Settings** ➔ **About phone** ➔ **Status**.

Your phone number displays under **My phone number**.

Your Google™ Account

Your new phone uses your Google account to fully utilize its Android features, including Gmail, Google Maps, Google Talk, and the Play Store. When you turn on your phone for the first time, you should set up a connection with your existing Google account, or create a new Google account.

1. Touch ⌂ **Home**, then touch ⊞ **Applications** ➔ 🅼 **Gmail**.

   The **Add a Google Account** screen displays.

2. Touch **Next** to continue.

3. Follow the on-screen instructions to create a Google Account, or to sign in if you already have a Google account.

Resetting your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to reset it:

1. From your computer, use an Internet browser to navigate to http://google.com/accounts.

2. Once the Web Page loads, click on the **Can't access your account?** link.

3. Under **Having trouble signing in?**, follow the password reset prompts.

Roaming

When you travel outside your home network's coverage area, your phone can roam to acquire service on other compatible digital networks. When Roaming is active, the Roaming icon ( ) appears in the Annunciator Line (Notification Bar) of the display.

Tip: You can set your phone's roaming behavior. (For more information, refer to *"Mobile networks"* on page 126.)

During roaming, some services may not be available. Depending on your coverage area and service plan, extra charges may apply when making or receiving calls.

Note: Contact your Wireless Provider for more information about your coverage area and service plan.

Securing Your Phone

By default, the phone locks automatically when the screen times out, or you can lock it manually. You can unlock the phone using one of the default Unlock screens, or for increased security, use a personal screen unlock pattern, a Personal Identification Number (PIN), or a password.

For more information about creating and enabling a Screen unlock pattern, see *"Screen unlock settings"* on page 136.

For other settings related to securing your phone, see *"Location and security"* on page 135.

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

Locking the phone manually

■ Press the **Power/Lock** key on the right side of the phone.

Unlocking the phone

For information on unlocking your phone, see *"Unlocking Your Phone"* on page 13.

1. Press the ⬤ **Power/Lock** key to wake the screen.

2. Draw your personal unlock pattern on the screen.

For more information, refer to *"Set unlock pattern/Change unlock pattern"* on page 136.

Unlocking with a Password

1. Press the ⬤ **Power/Lock** key to wake the screen.

2. Enter your Password.

3. Touch **OK**.

For more information, refer to *"Set unlock Password/Change unlock Password"* on page 136.

System Tutorial

Learn about important concepts to get the most out of your phone.

■ From the Home screen, touch ▦ **Menu**, then touch **Settings ➔ About phone ➔ System tutorial**.

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Section 2: Understanding Your Phone

This section outlines key features of your phone, including keys, displays, and icons.

Features

- 4.5-inch (480x320 pixel) HVGA full-screen touch screen
- 7-page Home screen, simplified main menu, and separate, 4-page Applications menu
- High Speed Data [EVDO 3G - Rev B Capable Technology and Wi-Fi Technology]
- Android OS
- Motion and position sensitivity
- Full integration with Google applications, including Google Search, Google Maps, Google Talk, and Gmail
- Play Store™, plus pre-loaded applications
- Connections
  - Wi-Fi 802.11 b/g/n
  - Wireless Modem Service
  - Bluetooth 3.0 + EDR
  - Virtual Private Network (VPN)
- Messaging Services (with on-screen QWERTY Keypads)
  - Text Messaging
  - Picture Messaging
  - Video Messaging
  - Voice Messaging
  - Email
  - Mobile Instant Messenger (IM)
  - Chat
- Full-HTML Browser
- Global Positioning (GPS) Technology
- 8.0 Megapixel CMOS Camera-Camcorder, rear-facing
- 2.0 Megapixel CMOS Camera-Camcorder, front-facing
- Picture Gallery, supporting JPG, PNG, GIF, and BMP formats
- Music Player, supporting MP3 format
- Video Player, supporting MP4, 3GP, WMV, AVI, MKV, FLV, and ASF formations
- Speakerphone
- Voice recognition by Vlingo®
- Ringtone and Alert tone support for MP3, AAC, WMA, M4A, OGG, MID, and AMR formats
- Support for microSD™ and microSDHC™ Memory Cards (up to 32 GB capacity)
- Bluetooth® 3.0 + EDR Wireless Technology. (For more information, refer to *"Bluetooth profiles"* on page 120.)

1. **Light and Proximity Sensors**: Light sensor adjusts screen brightness when **Brightness** is set to **Automatic brightness**. (For more information, refer to *"Brightness"* on page 132.) During a call, Proximity sensor detects that the phone is next to your face and darkens the screen to save battery power.

2. **Camera Lens**: Used when taking photos or recording videos.

3. **Menu Key**: Touch to display options for the current screen.

4. **Microphone**: Passes your voice to other parties in a call. Used when recording voice notes. Passes your voice to Voice Dialer. (For more information, refer to *"Voice Recorder"* on page 116. Also see *"Voice command"* on page 115.)

5. **Home Key**: Touch to display the Home screen. Touch and hold to pop-up shortcuts to Recently used apps and to the **Task manager**.

6. **Back Key**: Touch to return to the previous screen or option.

7. **Search Key**: Touch to launch Search, to search your device or the web.

8. **Power Indicator**: Indicates when the battery is being charged.

9. **Earpiece**: Listen to callers.

Side Views
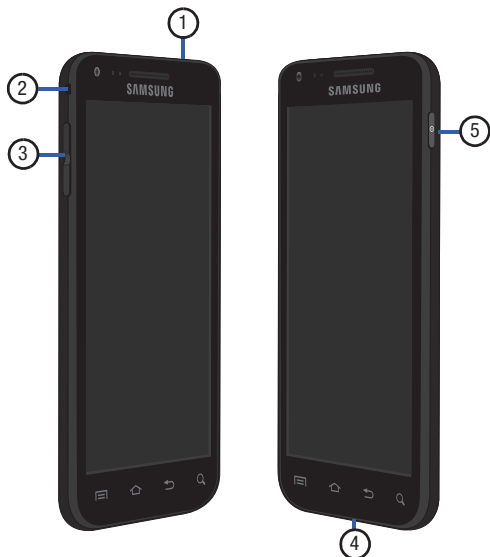
1. **3.5mm Headset Jack**: allows you to plug in headphones.

2. **Accessory Hook**: Attach optional accessories, such as a lanyard, here.

3. **Volume Key**: From a Home screen, press to adjust Master Volume. During calls or music playback, press to adjust volume. Press to mute the ringtone of an incoming call.

4. **USB Power/Accessory Port**: Plug in a USB cable for charging or to sync music and files.

5. **Power/Lock Key**: Press and hold to power your phone on or off. With the phone on, press to lock your phone and blank or waken the display.

1. **Camera Lens**: Used when taking photos or recording videos.
2. **Flash**: Used when taking pictures or record videos in low light.
3. **Back Cover**: Protects the battery and Memory Card slot.
4. **Speaker Grill**: Plays ringtones, call audio when in Speakerphone mode, music, and other sounds.

Touch Screen Display

Your phone's touch screen display is the interface to its features.

1. **Annunciator Line**: Presents icons to show network status, battery power, and connection details. (For more information, refer to *"Annunciator Line"* on page 22.)

2. **Home screen**: The starting point for using your phone. Place icons, widgets, and other items to customize your phone to your needs. (For more information, refer to *"Home Screen"* on page 26.)

3. **Primary Shortcuts**: Shortcuts to your phone's common features. (For more information, refer to *"Primary Shortcuts"* on page 27.)

4. **Panel Indicator**: Shows what panel of 7 available panels appears in the display.

5. **Shortcuts**: You can add more shortcuts for quick access to applications or features, such as Email or other applications. For more information, refer to *"Adding Shortcuts to a Home Screen panel"* on page 30.

6. **Widget**: An application that executes or that you can execute on the home page panel.

Display settings

You can customize display settings to your preferences. (For more information, refer to *"Display settings"* on page 131.)

Changing the Screen Orientation

Your SCH-R760 can automatically change the orientation of some screens. The phone's built-in accelerometer senses movement and changes a screen's orientation from portrait to landscape.

Note: Some screens, especially those for applications and games, do not respond to the accelerometer.

Annunciator Line

The Annunciator line displays icons to show network status, battery power, and other details.

ılll	**Signal Strength**: Current signal strength. The greater the number of bars, the stronger the signal.

✈	**Airplane Mode Active**: All wireless communications are disabled. (See *"Airplane mode"* on page 118.)
⦸	**No Signal**: Indicates there is no signal available.
⚠	**System Alert**: Check Notifications Panel for alerts.
📞	**Voice Call**: A voice call is in progress.
📞	**Speakerphone**: Speakerphone is enabled.
�	**Missed Call**: Displays when there is a missed call.
🔋	**Battery Level**: Shown fully charged.
🔋	**Charging Indicator**: Battery is charging.
🔋	**Device Power Critical**: Battery has only three percent power remaining. Charge immediately.
1x	**1X Connection Active**: Phone is active on a 1X system.
3G	**3G Connection Active**: Phone is active on a 3G system.
△	**Roaming**: Phone is currently roaming outside your service coverage area.

USB Connected: The phone is connected to a computer using a USB cable.

New Text Message: You have a new text or multimedia message.

New Voicemail: You have new voicemail.

New Email Message: You have new email.

Alarm Set: An alarm is active. (For more information, refer to *"Clock"* on page 105.)

Silent mode: All sounds except media and alarms are silenced. (See *"Silent mode"* on page 129.)

Vibrate mode: All sounds are silenced, but the phone vibrates for alerts. (See *"Vibration"* on page 129.)

Preparing SD Card: An optional memory card is installed and being prepared for use.

SD Card Media scanning complete: Scan for media files on optional memory card is complete.

SD Card removed: Optional memory card removed without being unmounted.

SD Card USB alert: Optional memory card problem while USB is connected to mass storage.

Bluetooth Active: Bluetooth is turned on.

Bluetooth Connected: The phone is connected to another Bluetooth device.

Wi-Fi Active: Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Wi-Fi Action Needed: Action needed to connect to Wireless Access Point (WAP).

Tethering Active: Tethering feature is active and ready for use. (For more information, refer to *"Tethering"* on page 122.)

Portable Wi-Fi Hotspot Active: Portable Wi-Fi Hotspot feature is active and ready for use. (For more information, refer to *"Portable Wi-Fi Hotspot"* on page 98.)

TTY: TTY Mode is active.

Search Bar

The Search Bar provides you an on-screen Internet search engine powered by Google™.

1. From the **Home** screen, touch the Search Bar. A QWERTY keypad appears in the display.

2. Enter the item for which to search, then touch **Go**.

3. Touch 🎤 to use Google **Voice Search**.

Navigation

Navigate your phone's features using the command keys and the touch screen.

Warning! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. (For more information, refer to *"Warranty Information"* on page 170.)

Command Keys

Menu Key

Touch ▤ **Menu** to display a context-sensitive menu of options for the current screen or feature.

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Home Key

Touch ⌂ **Home** to display the Home screen. Touch and hold at any time to launch Task Manager. (For more information, refer to *"Task manager"* on page 115.)

Back Key

Touch ⤺ **Back** to return to the previous screen, option or step.

Search Key

Touch ◯ **Search** to launch Quick Search, to search the web and your phone.

Context-sensitive Menus

While using your phone, context-sensitive menus offer options for the feature or screen. To access context-sensitive menus:

• Touch ▤ **Menu**.

• Touch and hold on an item.

Touch

Touch items to select or launch them. For example:

• Touch the on screen keypad to enter characters or text.

• Touch a menu item to select it.

• Touch an application's icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Sweep

To sweep, lightly drag your finger vertically or horizontally across the screen. Use sweep when:

- Unlocking the screen
- Scrolling the Home screen or a menu

Notification Panel

The Notification Panel shows information about connections, messages and other items.

- Sweep your finger downward from the top of the screen. To close Notification Panel, touch the panel.

Tap to clear all Notifications

Touch an Ongoing or Notification to open the related application or function

Touch and drag up to close the Notification panel
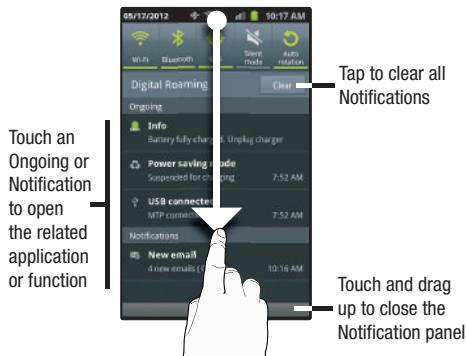
Connection Buttons

Buttons at the top of the Notification Panel show connection statuses for **Wi-Fi**, **Bluetooth**, **GPS**, **Silent mode**, and **Auto rotation** mode. You can enable or disable any of the first four connections by touching the appropriate button.

1. Sweep your finger downward from the top of the screen to display the Notifications Panel.

2. Touch **Clear** to clear all notifications.

Home Screen

The Home screen is the starting point for using your phone.
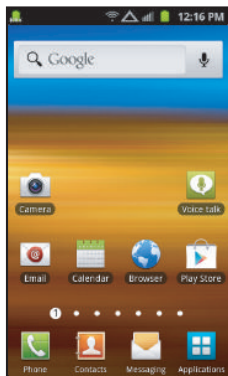
Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

Extended Home Screen

The Home screen consists of the Home panel, plus 6 panels that extend beyond the display width to provide more space for adding shortcuts, widgets and folders.

Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the top of the display shows your current position.

Adding and removing Home screen panels

Your phone comes with 7 Home screen panels. You can customize the Home screen to include up to the seven default panels, and set one as Home.

1. Navigate to a Home screen panel, then touch ▭ **Menu**.

2. Touch **Edit**. An array of thumbnail images of the Home screen panels appears in the display.

3. To remove a panel, touch, hold, and drag the panel image to the **Remove** icon (🗑).

4. To add a panel, touch ➕.

5. To set a panel as the Home panel, touch, hold, and drag the panel image to the center (panel 4) position.

Primary Shortcuts

Primary Shortcuts appear at the bottom of the display. You can edit the Primary Shortcuts, except for the ⊞ **Applications** / ⌂ **Home** shortcut.

Note: When you access **Applications**, the ⌂ **Home** shortcut replaces the
⊞ **Applications** shortcut to provide quick return to the Home screen.

The default primary shortcuts are:

📞   **Phone**: Launches the Phone, to make calls. (For more information, refer to *"Making Calls"* on page 33.)

👤   **Contacts**: Store and manage your contacts. (For more information, refer to *"Contacts"* on page 44.)

✉   **Messaging**: Send and receive messages. (For more information, refer to *"Messaging"* on page 58.)

⊞   **Applications**: Access your phone's applications. (For more information, refer to *"Accessing Applications"* on page 101.)

Editing the Primary Shortcuts

1. Touch ⌂ **Home**, then touch ⊞ **Applications**.

2. Touch ▭ **Menu**, then touch **Edit**.

3. Touch and drag an icon to replace a primary shortcut.

4. When you are finished, touch ▭ **Menu**, then touch **Save**.

Customizing the Home Screen Panels

Customize the Home screen panels to suit your preferences.

• **Add Widgets**: For more information, refer to *"Adding Widgets to a Home Screen panel"* on page 28.

• **Add Shortcuts**: For more information, refer to *"Adding Shortcuts to a Home Screen panel"* on page 30.

- **Add Folders**: For more information, refer to *"Adding Folders to a Home Screen panel"* on page 30.
- **Change the Wallpaper**: For more information, refer to *"Changing the Wallpaper on a Home Screen panel"* on page 31.

Adding Widgets to a Home Screen panel

Widgets are self-contained applications that you can place on the Home screen to access favorite features.

1. Navigate to the desired Home screen panel. (For more information, refer to *"Extended Home Screen"* on page 26.)
2. Touch and hold on the screen to display the **Add to Home screen** menu.
3. Touch **Widgets**, then touch a selection to add it to the Home screen:

   AccuWeather.com: Display weather information from AccuWeather.com®.

   Bookmark: Display your Browser bookmark list.

   Buddies Now: Display your Contacts list.

   Month: Display this month's calendar and Calendar event list.

   Agenda: Display this week's Calendar event list.

   Today: Display today's Calendar event list.

   Digital clock: Display current time on a digital clock.

   Email: Display the latest received Email messages.

   Google Play Music: Play music added to your music files or music copied from your PC. While offline, listen to music copied from your PC.

   Google Search: Search the Internet using the Google Search application.

   Google+: Set up a Circle of friends, get updates from your Circles, and fast message everyone in your Circles. You can also upload videos and photos to your own private album.

   Home screen tips: Display tips about the Home screen.

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Classic clock: Display current time on a numerical analog clock.

Simple clock: Display current time on a non-graduated analog clock.

Unique clock: Display current time on an analog clock.

Modern clock: Display current time on an analog clock.

Analog dual clock: Display current times for two selected locations in analog format.

Digital dual clock: Display current times for two selected locations in digital format.

Latitude: Share your location with selected people.

Picture frame: Launch the Picture Frame application.

Play Store: Provides access to downloadable applications and games.

Power Saving: Set network and power settings.

Program Monitor: Monitor active applications, and running in the background.

Today agenda: Display today's events list.

Traffic: Display traffic information for a particular destination.

Voice: Access Voice command, Voice talk, and Driving mode.

Yahoo! Finance: Display a financial information from Yahoo!® Finance.

Yahoo! News: Display a financial information from Yahoo!® News.

YouTube: Search YouTube and watch videos.

Removing Widgets

■ Touch and hold the Widget until the trash can icon (🗑) appears, then drag the Widget to the 🗑 icon.

Adding Shortcuts to a Home Screen panel

Use Shortcuts for quick access to applications or features, such as Gmail or other applications.

1. Navigate to the desired Home screen panel. (For more information, refer to *"Extended Home Screen"* on page 26.)
2. Touch and hold on the screen to display the **Add to Home screen** menu.
3. Touch **Shortcuts**, then touch a selection:

Applications: Launch an application. For a list, see *"Applications"* on page 101.

Bookmark: Launch a bookmarked web page.

Contacts: View a contact you specify.

Direct dial: Automatically call a contact you specify.

Direct message: Create a message to a contact you specify.

Directions & Navigation: Provides turn-by-turn directions for car, bus, bike, or walking trips. You can also save directions to a particular destination.

Email: Review and create email using various email services. (See *"Accounts"* on page 40.)

Music playlist: Launch Music Player to play a selected Playlist. (See *"Music Player"* on page 74.)

Settings: Go to a specific setting. (For more information, refer to *"Settings"* on page 118.)

4. Follow the prompts to configure the Shortcut and add it to the Home screen.

Removing Shortcuts

■ Touch and hold the Shortcut until the trash can icon (🗑) appears, then drag the Shortcut to the 🗑 icon.

Adding Folders to a Home Screen panel

Place Folders on the Home screen to organize items together on the Home screen.

1. Navigate to the desired Home screen panel. (For more information, refer to *"Extended Home Screen"* on page 26.)

2. Touch and hold on the screen to display the **Add to Home screen** menu.

3. Touch **Folders**, then touch a selection to add it to the Home screen:

New folder: Create a new empty folder.

All contacts: Create a folder containing all contacts.

Contacts with phone numbers: Create a folder containing contacts with stored phone numbers.

Received list from Bluetooth: Create a folder containing a list of items received via Bluetooth.

Recent documents: Create a folder containing documents recently added or changed.

Starred contacts: Create a folder containing contacts marked as Favorites.

Removing Folders

■ Touch and hold the Folder until the trash can icon (🗑) appears, then drag the Folder to the 🗑 icon.

Changing the Wallpaper on a Home Screen panel

Choose a picture to display in the background of a Home screen panel. You can choose from pre-loaded wallpaper images, or select a picture you've taken with the Camera or downloaded.

1. Navigate to the desired Home screen panel. (For more information, refer to *"Extended Home Screen"* on page 26.)

2. Touch and hold on the screen to display the **Add to Home screen** menu, then touch **Wallpapers**.

   – or –

   From the Home screen, touch ☰ **Menu**, then touch **Wallpaper**.

3. Choose a source for images:

   • **Gallery**: Access the Gallery to choose a picture from an optional installed memory card. Touch a picture to select it, then use the crop tool to resize the picture, if desired. Touch **Save** to save the picture as wallpaper.

   • **Live wallpapers**: Choose from pre-loaded animated wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.

   • **Wallpaper gallery**: Choose from pre-loaded wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.

Adding Applications to a Home Screen panel

You can add shortcuts to applications to a Home screen panel, for quick access to the application.

1. Navigate to the desired Home screen panel. (For more information, refer to *"Extended Home Screen"* on page 26.)

2. Touch **Applications**. The Applications screen appears. (For more information, refer to *"Applications"* on page 101.)

3. Sweep your finger right or left to scroll the Applications screens.

4. Touch and hold on an Application icon. The Application shortcut or widget is automatically copied onto the selected Home screen panel.

Removing Applications shortcuts and widgets

■   Touch and hold the Application shortcut or widget until the trash can icon (🗑) appears, then drag the Application shortcut or widget to the 🗑 icon.

Customizing the Applications Screens

Choosing a view

By default, application icons appear in Grid view. You can change the view to List view.

1. Navigate to a Home screen panel, then touch **Applications.**

2. Touch **Menu → View type**.

3. Choose from **Customizable grid**, **Alphabetical grid**, or **Alphabetical list**.

Moving Application icons

With the Applications screen in Grid view, you can arrange the application icons to suit yourself.

1. Navigate to a Home screen panel, then touch **Applications.**

2. Touch **Menu**, then touch **Edit**.

    If the Applications screen view is **Alphabetical grid** or **Alphabetical list**, you are prompted to change the view to **Customizable grid**. Touch **Switch**.

3. To move an application icon, touch and hold it, then drag it to a new location.

4. When you are finished, touch **Menu**, then touch **Save**.

Section 3: Call Functions

This section describes how to make, answer, or end calls. This section also describes your phone's features and functionality associated with making or answering calls.

Making Calls

Your phone offers multiple ways to make calls:

• Use the touch screen **Keypad** to enter a telephone or speed dial number.

• Return a call, or call a recently called number using the **Logs**.

• Call a contact from **Contacts**.

• Speed dial using **Favorites**.

• Voice dial with **Voice Control**.

Making Calls Using the Phone Keypad

1. Navigate to a Home screen panel, then touch **Phone**. The **Keypad** screen appears in the display.

2. Enter a telephone or speed dial number on the **Keypad** screen keypad.

3. While dialing, you can use the following options:
   • Touch **Menu**, then touch **Speed dial setting** to dial or set Speed Dials.
   • Touch **Menu**, then touch **Add 2 sec pause** to insert a 2-second pause in a telephone number.
   • Touch **Menu**, then touch **Add wait** to insert a Wait pause in a telephone number, to pause dialing to wait for input from you.

4. Touch **to place the call.
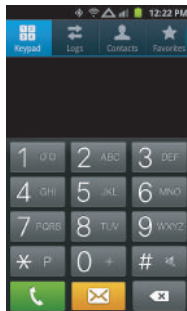
Dialing Emergency Numbers

When you call an Emergency Number, such as 911, do not disconnect the call or make other calls until advised to do so by the emergency operator. This enables emergency operators to more easily dispatch aid, such as police, fire fighting, and emergency medical personnel.

1. Navigate to a Home screen panel, then touch 📞 **Phone**.

2. Enter 911 using the touch keypad.

3. Touch 📞 to place the call.

Note: The emergency number 911 is preset into your phone, and you can dial 911 at almost any time, even when the phone is locked, restricted, or in Airplane Mode. You can specify other numbers than 911 as emergency numbers using the **Emergency #** settings. (For more information, refer to *"Emergency Number"* on page 128.)

When you call 911, an audible tone plays and an Emergency prompt appears in the display for the duration of the call. (For more information, refer to *"Emergency tone"* on page 131.)

Caution! DO NOT depend on this phone as a primary method of calling 911 or for any other essential or emergency communications. Because of transmission methods, network parameters, and user settings necessary to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

Making Calls using Speed Dials

Speed Dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact. (For more information, refer to *"Speed Dials"* on page 51.)

1. Navigate to a Home screen panel, then touch 📞 **Phone**.
2. Touch the digits of the speed dial number on the **Keypad** keypad, holding the last digit until the number dials.

Making Calls from Contacts

A contact is an entry that you have created to store the name, numbers, and other information for people or groups of interest. (For more information, refer to *"Contacts"* on page 44.)

1. Navigate to a Home screen panel, then touch
   👤 **Contacts**.
2. Find the contact and touch it to open the Contact entry.
3. Touch 📞 to dial the default number for the Contact.

Making Calls using Voice Talk

Place a call by speaking the name or number. (For more information, refer to *"Voice talk"* on page 116.)

1. Navigate to a Home screen panel, then touch
   🔲 **Applications ➔** 🎤 **Voice Talk**. You are prompted to speak a command.
2. Say "**Call**" followed by a Contact name or a phone number.

Making Calls using Favorites

Favorites are Contacts you designate as favorites by starring them, or Contacts you call frequently. (For more information about designating favorites, see *"Favorites"* on page 48.)

1. Navigate to a Home screen panel, then touch 📞 **Phone**.
2. Touch ⭐ **Favorites** to display the list of your favorites.
3. Find the Contact and touch it to open the Contact entry.
4. Touch 📞 to dial the default number for the Contact.

Making Calls from Call Log

Return a call, or call a number from a recent call stored in Call log. (For more information about Call log, see *"Call Logs"* on page 38.)

1. Navigate to a Home screen panel, then touch 📞 **Phone**.
2. Touch 🔁 **Logs** to display recent calls.
3. Find a call.
4. Touch the call, then touch one of the following:
   • 📞 to call the number in the desired call record.
   • ✉ to send a message to the number in the desired call record.

Three-Way Calling

Merge two calls to set up a three-way call between you and two other parties.

1. Establish a call, either by dialing or answering an incoming call.
2. Touch **Add Call**. The first call is placed on hold, and the phone **Keypad** appears.
3. Enter the second phone number, then touch 📞.
4. Touch **Merge**. The two calls are joined into one, 3-way call.

Dialing International Numbers

1. In standby mode, do one of the following:
   - Touch and hold the `0 +` key until the plus symbol (+) appears in the display.
   - Enter the three-digit exit code (011) for the United States.
2. Do one of the following:
   - Touch and hold the `0 +` key until a second plus symbol (+) appears in the display. (This automatically inserts a preset country code. For more information, refer to *"International dialing"* on page 127.)
   - Enter the country code for the country that you are calling.
3. Enter the number that you wish to call, then touch the 📞 key.

Note: Puerto Rico and Canada are on the North American dialing plan. When making calls to Puerto Rico and Canada it is similar to making calls within the United States, no unique country codes are necessary.

Answering Calls

To answer an incoming call:

■ On the Incoming call screen, touch and drag 📞 outside of the large circle.

Silencing an Incoming Call Ringtone

When your phone alerts you to an incoming call, you can silence the ringtone for the call. (For more information, refer to *"Ignoring a call"* on page 36.)

Sending Calls to Voicemail

When your phone alerts you to an incoming call, you can ignore the call to send the caller to voicemail, or reject the call and send a message to the caller.

Ignoring a call

When you ignore a call, the call is forwarded to voicemail.

■ On the Incoming call screen, press the Volume key up or down. Your phone's ringer stops and, after a number of rings, the call is forwarded to voicemail.

Rejecting a call

When you reject a call, the call is answered by voicemail.

■ On the Incoming call screen, touch and drag outside of the large circle. Voicemail answers the call, prompting the caller to leave a voice message.

Rejecting a call with a message

You can reject an incoming call by sending the caller a text message. You can create a new message, or choose a message you previously created. (For more information about creating ignore text messages, see *"Set reject messages"* on page 126.)

1. On the Incoming call screen, touch and drag the **Reject call with message** tab upward.
2. Touch **Create new message**, then enter new text.
3. Touch **Send** to send the text message.

Answering Call-Waiting Calls

When you receive a call while on a call:

• Touch and slide **Answer** to answer the incoming call. The original call is placed on hold, and remains on hold until you end the second call, or swap calls back to the original call.

• Touch **Swap** to place a call on hold and return to the original call.

In-Call Options

While in a call, you can use these features:

• **Add call**: Display the Phone Dialer to set up a multi-party call.

• **Keypad**: Display a dialpad to enter numbers.

• **End call**: End the phone call.

• **Speaker**: Enable or disable speakerphone.

• **Mute**: Mute or unmute your voice on the call.

• **Bluetooth**: Switch the call's audio to a Bluetooth headset.
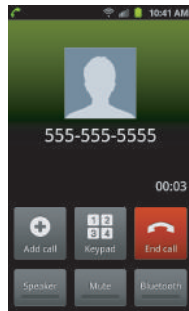
Ending a Call

■ From the In-Call screen, touch [End call].

From screens other than the In-Call screen, do the following:

1. Open the Notification Panel. (For more information, refer to *"Notification Panel"* on page 25.)

2. On the In-Call line, touch [End].

Call Logs

When you place, answer, or miss a a call, a record of the call is saved in the Call Logs.

Accessing Call Logs

■ Navigate to a Home screen panel, then touch [📞] **Phone** ➔ [📋] **Logs**.

Sending Messages using Call Logs

1. Navigate to a Home screen panel, then touch [📞] **Phone** ➔ [📋] **Logs**.
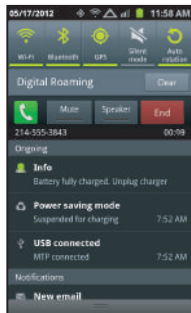
2. To create a new message to a phone number in the Call log, do one of the following:

   • Touch a call record, then touch [✉].

   • Touch and hold on a call record, then select **Send message**.

3. Continue creating the message. (For more information, refer to *"Creating and Sending Messages"* on page 58.)

Creating or Updating Contacts Using Call Logs

1. Navigate to a Home screen panel, then touch [📞] **Phone** ➔ [📋] **Logs**.

2. Touch and hold on a call record, then select **Add to contacts** from the pop-up menu.

3. Choose **Create contact** or **Update existing**.

4. Continue entering contact information. (For more information, refer to *"Creating Contacts"* on page 44.)

Managing the Call Logs

Filtering Call and Message log records

1. Navigate to a Home screen panel, then touch 📞 **Phone** ➔ **Logs**.
2. While viewing the Call Logs, touch ▤ **Menu**, then touch **View by**.
3. Select a filter type, from **All logs**, **All calls**, **Missed calls**, **Dialed calls**, **Received calls**, **Rejected calls**, **All messages**, **Sent messages**, or **Received messages**.

Deleting Call log records

1. Navigate to a Home screen panel, then touch 📞 **Phone** ➔ **Logs**.
2. While viewing the Call log, touch ▤ **Menu**, then touch **Delete**.
3. Touch call records to mark them for deletion, or touch **Select all**. A check appears in the check box to show marked records.
4. Touch **Delete** to delete marked records.

Tip: You can also delete an individual call record by touching and holding a call record, then selecting **Delete**.

Viewing call durations

View the length of the Last call, all Dialed calls, all Received calls, or All calls.

1. Navigate to a Home screen panel, then touch 📞 **Phone** ➔ **Logs**.
2. While viewing the Call log, touch ▤ **Menu**, then touch **View call timer**.

   The **View call timer** screen appears showing the **Last call** duration and showing the **Outgoing Calls**, **Incoming Calls**, **Roaming Calls**, **All calls**, **Last Reset** and **Lifetime Calls** duration.

Voicemail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.

Section 4: Accounts and Contacts

This section explains how to manage your accounts and contacts.

Accounts

Your phone provides the ability to synchronize information from a variety of accounts, including Google, a Microsoft Exchange® server and Web interface, and social networking sites such as Hotmail, Yahoo!, Facebook, and Twitter. With synchronization, you can ensure that information on your phone is updated with any information that changes in your accounts, including Contacts information.

Note: You must register your phone with your social network site before using the phone to access the networks.

With Corporate Exchange and Google accounts you can synchronize Calendar events as well as Contacts.

Tip: For more information on setting up your email, contact your Wireless Provider and your E-mail Service Provider.

For information about setting up other, non-synchronized email accounts, see *"Setting up access to Email accounts"* on page 63.

Adding a Google account

1. Touch ⬚ **Home** ➔ ▭ **Menu**, then touch **Settings** ➔ **Accounts and sync**.
2. Touch **Add account** ➔ 🔵 **Google**.
3. At the **Add a Google Account** screen, touch **Next** to begin, then touch an option:
    *   **Create**: Follow the prompts to create a new account.
    *   **Sign in**: Enter your Google **Username** and **Password**, then touch **Sign In**.
4. The phone communicates with the Google server to set up your account. When complete, your Google account appears in the **Manage accounts** area of the screen.

Managing a Google account

1. Touch ⌂ **Home** ➔ ▤ **Menu**, then touch **Settings** ➔ **Accounts and sync**.

2. Touch your Google account to show the **Data and synchronization** menu.

3. Touch a setting to enable or disable synchronization. When enabled, a check mark becomes highlighted in the check box:

   • **Sync Google Play Music**: When enabled, synchronizes your Google Play Music with your phone.

   • **Sync Instant Upload**: When enabled, synchronizes your uploaded photos and videos with your phone.

   • **Sync Books**: When enabled, synchronizes your Google books with your phone.

   • **Sync Contacts**: When enabled, synchronizes your Google contacts with your phone's Contacts.

   • **Sync Gmail**: When enabled, synchronizes your Gmail messages on your phone.

   • **Sync Picasa Web Albums**: When enabled, synchronizes your Picasa Web Album photos with the Gallery on your phone.

   • **Sync Calendar**: When enabled, synchronizes your Google calendar with your phone.

Adding a Microsoft Exchange® account

The **Microsoft Exchange ActiveSync** option lets you directly access a Microsoft Exchange server account.

Note: Before adding a Microsoft Exchange account, obtain the exact server Exchange Domain name from your company's Network Support.

1. Touch ⌂ **Home** ➔ ▤ **Menu**, then touch **Settings** ➔ **Accounts and sync**.

2. Touch **Add account** ➔ 🔲 **Microsoft Exchange ActiveSync**.

3. At the **Add Exchange account** screen, enter your **Email address** and **Password**, then touch **Done**, then touch **Next**.

4. At the **Server settings** screen, enter server settings, then touch **Next**. The phone communicates with the server to confirm your account.

5. At the **Account options** screen, select account settings, then touch **Next**.

6. At the **Set up email** screen, enter a name for the account (this name will display on screen), then touch **Done** to complete set-up.

Note: If the **Activate device administrator** screen appears, verify all settings match the values provided by your network support personnel, then touch **Activate**.

7. Your Corporate account appears in the **Manage accounts** area of the screen, and in the Email application.

Managing a Microsoft Exchange account

1. Touch ⌂ **Home** ➔ ▤ **Menu**, then touch **Settings** ➔ **Accounts and sync**.

2. Touch your Exchange account to display settings, then touch **Account settings** for these settings:

   • **General settings**

   — **Account name**: Enter a name to identify the account.

   — **Add signature**: When active, adds pre-composed signature text to send messages.

   — **Signature**: Enter or change signature text.

   — **Default account**: When active, sends email from this account by default.

   — **Always Cc/Bcc myself**: Adds your email address to None of send email messages or to Cc or Bcc field of send email messages.

   • **Exchange ActiveSync settings**

   — **Period to synch mail**: Choose a time period to determine how many days' email will synchronize.

   — **Empty server trash**: Removes deleted files from the email server's trash folder.

   — **Sync schedule**: Choose a frequency for the phone to check the server for new emails.

   — **Out of office settings**: Select whether to send a pre-composed message to originators of Internal and/or External email messages.

   — **Period to sync Calendar**: Choose a time period to determine how many Calendar days' to synchronize.

   — **Size to retrieve emails**: Select how much of each incoming email message (in Kilobytes or All) to initially download from the email server.

   — **Security options**: Set advanced email security options (encryption, sign, S/MIME certificate, types of email message contents to accept or reject.

   — **In case if sync conflict**: Allows you to assign the master source on emails. If there is a conflict with the current email sync you can assign the server as the main source for all emails (**Update to phone**) or assign the phone to be the main source and update the server accordingly (**Update to server**).

- **Notification settings**
  - **Email notifications**: Enable or disable display of a new email icon in the Annunciator line when new mail arrives.
  - **Select ringtone**: Assign a ringtone for new email notifications.
  - **Vibration**: Enable or disable vibration with new email notifications.
- **Server settings**
  - **Exchange server settings**: Modify settings for accessing the email server for incoming email messages.
  - **Sync Contacts**: When active, synchronizes your Exchange contacts with your phone's Contacts.
  - **Sync Calendar**: When active, synchronizes your Exchange calendar with your phone's calendar.
  - **Sync Task**: When active, synchronizes your Exchange task list with your phone's task list.
- **Common settings**
  - **Split view mode**: Enables the phone to display a split view screen (email message list on the left, selected message content on the right) when the phone is in landscape view.

3. Under **Data & synchronization**, configure these settings:

- **Sync Tasks**: When enabled, synchronizes your Exchange tasks with your phone's tasks.
- **Sync Contacts**: When enabled, synchronizes your Exchange contacts with your phone's Contacts.

- **Sync Calendar**: When enabled, synchronizes your Exchange contacts with your phone.

Adding a Facebook account

Note: You must register your phone with Facebook before using the phone to access the site. From your Facebook account, go to Account Settings and follow the "Activate a Phone" registration instructions.

1. Touch △ **Home** ➔ ▤ **Menu**, then touch **Settings** ➔ **Accounts and sync** ➔ **Add account** ➔ **☐ Facebook**.

2. Enter your Email and Password, then touch Log in.

3. Follow the prompts to complete the set-up.

Adding a Twitter account

Note: You must register your phone with Twitter before using the phone to access the site. From Twitter.com Settings, follow the instructions in the Mobile area to register your phone.

1. Touch △ **Home** ➔ ▤ **Menu**, then touch **Settings** ➔ **Accounts and sync** ➔ **Add account** ➔ **☐ Twitter**.

2. Enter your Email and Password, then touch **Log in**.

3. Follow the prompts to complete the set-up.

Contacts

To access Contacts:

■ Touch ⬠ **Home**, then touch 📇 **Contacts** → 📇.

 – or –

 Touch ⬠ **Home**, then touch 📞 **Phone** → 📇.

Creating Contacts

1. Touch ⬠ **Home**, then touch 📇 **Contacts** → 📇 → ⊕.

2. Select a storage location: **Phone**, **Google**, or other account (such as personal or business e-mail).

3. Touch the Select Photo box to choose a picture to identify the contact. (For more information, refer to *"Gallery"* on page 82.)

4. Touch the **Given name** and **Last name** fields then enter a name for the contact using the displayed keypad. After entering a last name touch 🔽 to enter a Name prefix, Middle name, Name suffix, Phonetic given name, Phonetic middle name, and/or Phonetic family name.

5. Touch the image icon and select a photo for this contact. Selections are: **Gallery**, or **Take photo**.

6. Touch **Phone number** to enter a phone number, then touch the label button (for example, **Mobile**) to choose a label from **Mobile**, **Home**, **Work**, **Work Fax**, **Home Fax**, **Pager**, **Other**, **Custom** (to create a custom label), or **Callback**.

 • Touch ⬅×⬛ on the QWERTY keyboard to remove a previously entered phone number.

 • Touch ⊕ to enter an additional phone number

 • Touch ⊖ to remove a previously entered phone number.

7. Touch **Internet call** to enter an Internet voice call address. [To make Internet calls you need a VoIP (Voice over IP) account. For more information, contact your Wireless Provider.]

8. Touch **Email** to enter an email address, then touch the label button (for example, **Work**) to choose a label from **Work**, **Home**, **Mobile**, **Other**, or **Custom** to create a custom label. To add another address, touch ⊕.

9. Touch **IM** to enter an instant message address, then touch the label button to choose a label, from **Google Talk**, **AIM**, **Windows Live**, **Yahoo**, **Skype**, **QQ**, **ICQ**, **Jabber**, or **Custom** to create a custom label. To add another IM, touch ⊕.

10. Enter additional information such as: **Groups, Ringtone**, **Postal address**, **Organization** or **More** fields to input additional category information.

    • Touch **Groups** to assign the contact to a group. (For more information, refer to *"Groups"* on page 49.)

    • The **More** field contains the following options: Notes, Nickname, Website, Birthday, and Anniversary.

    • Use your finger to slide the page up or down to see additional fields and categories.

11. Touch **Save** to complete and store the new entry.

Creating Contacts from Call log

Save a phone number from a recent call record to create a new contact, or update an existing contact.(For more information, refer to *"Creating or Updating Contacts Using Call Logs"* on page 38.)

Creating Contacts from the Phone Dialer

Enter a phone number with the Phone Dialer keypad, then save it.

1. Touch ⌂ **Home**, then touch 📞 **Phone**.
2. Touch the digits of the phone number on the keypad.
3. Touch **Add to contacts**, then select **Create contact** from the pop-up menu.

4. Continue entering contact information. (For more information, refer to *"Creating Contacts"* on page 44.)

Updating Contacts

Make changes to update an existing contact.

1. Touch ⌂ **Home**, then touch 📇 **Contacts**.
2. Touch a contact to view its information, then touch ☰ **Menu**, and touch **Edit**.

    – or –

    Touch and hold on a contact, then select **Edit** from the pop-up menu.

3. Continue entering contact information. (For more information, refer to *"Creating Contacts"* on page 44.)

Updating Contacts from the Phone Dialer

Enter a phone number with the Phone Dialer keypad, then save it.

1. Touch ⌂ **Home**, then touch 📞 **Phone**.
2. Touch the digits of the phone number on the keypad.
3. Touch **Add to Contacts**, then select **Update existing** from the pop-up menu.
4. Select a contact to update, then touch **Save**, or continue entering contact information. (For more information, refer to *"Creating Contacts"* on page 44.)

Updating Contacts from Call log

Save a phone number from a recent call record to create a new contact, or update an existing contact. (For more information, refer to *"Creating or Updating Contacts Using Call Logs"* on page 38.)

Get Friends

Use the Get Friends feature to sync with your accounts. You can choose from an account you've already set up on your phone, or set up a new account.

(For more information about setting up accounts on your phone, see *"Accounts"* on page 40.)

1. Touch 🏠 **Home**, then touch 👤 **Contacts**.
2. Touch ▤ **Menu**, then touch **More ➔ View friends**.
3. Touch **Add account**, then touch an account.
4. Touch **Sync now**.

Contacts Display Options

1. Touch 🏠 **Home**, then touch 👤 **Contacts**.
2. Touch ▤ **Menu**, then touch **More ➔ Display options** to set these options:
   • Touch **Only contacts with phones** to restrict display to contacts with phone numbers.
   • Touch **Sort by** to list contacts alphabetically by Given name or by Last name.

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• Touch **Display contacts by** to list contacts by Given name first or Last name first.
• Touch **Phone** to choose contacts for display by group.
• Touch an account to choose display categories.
3. Touch 〔 Done 〕 to save options.

Linked Contacts

Your phone can synchronize with multiple accounts, including Google, Corporate Exchange, and other email providers, plus social networking sites like Facebook, Twitter, and MySpace. When you synchronize contacts from these accounts with your phone, you may have multiple contacts for one person.

Linking imported contact records to a phone contact allows you to see all the contact's numbers and addresses together in one Contact entry. Linking also helps you keep your contacts updated, because any changes that your contacts make to their information in the respective accounts is automatically updated the next time you synchronize with the account.

Note: Phone contacts are always the primary contact for linking. You can link imported contacts to a Phone contact, but the Phone contact will always display; the imported contact will show as the linked contact.

Joining contacts

1. Touch ⌂ **Home**, then touch **Contacts**.
2. Touch a contact to display its information.
3. Touch ▤ **Menu**, then touch **Join contact**.
4. Touch another contact record to join it to the selected contact.

Separating joined contacts

1. Touch ⌂ **Home**, then touch **Contacts**.
2. Touch a contact to display its information.
3. Touch the **Joined Contacts** field to display joined contacts.
4. Touch a contact to separate it.

Sending Namecards

You can send a contact's information as a namecard over a Bluetooth connection to another Bluetooth device, or as an attachment to a Gmail message.

Important! Not all Bluetooth devices will accept contact information. Check the target device's documentation.

Sending a Namecard

1. Touch ⌂ **Home**, then touch **Contacts**.
2. Touch a contact to display its information.
3. Touch ▤ **Menu**, then touch **Send namecard via**.

4. At the prompt, choose a sending method, then follow the prompts to send the namecard:

   • **Bluetooth**: For more information, refer to *"Bluetooth"* on page 96.

   • **Email**: This option appears only if you define an Email account to your phone using ◉ **Email**. (For more information, refer to *"Composing and Sending Email"* on page 65. Also see *"Email"* on page 63.)

   • **Gmail**: For more information, refer to *"Composing and Sending Gmail"* on page 61.

   • **Messaging**: For more information, refer to *"Creating and Sending Messages"* on page 58.

Exporting and Importing Contacts

You can send multiple contacts' information as namecards over Bluetooth connections to other Bluetooth devices, or as attachments to Email or Gmail messages.

Important! Not all Bluetooth devices will accept contacts, and of those that do, not all devices support transfers of multiple contacts. Check the target device's documentation.

1. Touch ⌂ **Home**, then touch **Contacts**.

2. Touch ▤ **Menu**, then touch **More ➜ Import/Export ➜ Send namecard via**.

3. Touch contacts to mark them for sending, or touch **Select all** to mark all contacts. A check mark appears in the check box for marked contacts.

4. Touch Send .

5. Follow the prompts to send the namecards. (For more information, refer to *"Bluetooth"* on page 96.)

Favorites

Mark existing contacts with a star to identify them as Favorites.

Favorites display on the Favorites tab in the Phone keypad, for fast dialing or messaging, and are indicated by the ★ in Contacts.

Creating Favorites

1. Touch ⌂ **Home**, then touch 🔲 **Contacts**.

2. Touch and hold on a contact, then select **Add to favorites** from the pop-up menu.

   – or –

   Touch a contact to display it, then touch the ★ **Star** at the top right of the screen.

My Profile

My profile is your own contact record. You can send My profile as a vCard via Bluetooth or as an attachment via Gmail.

Viewing My Profile

1. Touch ⌂ **Home**, then touch 🔲 **Contacts**.

2. Touch ▤ **Menu**, then touch **My profile** to display your contact information.

3. To add information to your profile, touch ▤ **Menu**, then touch **Edit**. (For more information, refer to *"Creating Contacts"* on page 44.)

Sending My Profile

You can send My Profile as a vCard via Bluetooth to other Bluetooth devices, or as an attachment to a Gmail.

1. Touch ⌂ **Home**, then touch 🔲 **Contacts**.

2. Touch ▤ **Menu**, then touch **My profile** to display your contact information.

3. Touch ▤ **Menu**, then touch **Send namecard via**.

4. Choose a sending method, **Bluetooth**, **Gmail**, **Email**, or **Messaging**, then follow the prompts to send the profile. (For more information, refer to *"Sending Namecards"* on page 47.)

Groups

Assign contacts to Groups to make searching for contacts faster, or to quickly call or send messages to group members.

Accessing Groups

■ touch ⌂ **Home**, then touch 🔲 **Contacts → Groups**.

Creating a New Group

1. touch ⌂ **Home**, then touch 🔲 **Contacts → Groups**.
2. Touch ▤ **Menu**, then touch **Create**.
3. Touch the **Group name** field to enter a Group name.
4. Touch **Ringtone** to choose a ringtone for calls from members of this group. Touch **Default ringtone**, **Select sound from My files**, or **Phone ringtone** to select a new ringtone.
5. Touch 〈 Save 〉 to save the new group.

Editing a Group

1. touch ⌂ **Home**, then touch 🔲 **Contacts → Groups**.
2. Touch a Group to display it.
3. Touch ▤ **Menu**, then touch **Edit group**.
4. Touch the **Group Name** field to change the Group Name.

5. Touch **Ringtone** to choose a ringtone for calls from members of this group. Touch **Default ringtone**, **Select sound from My files**, or **Phone ringtone** to select a new ringtone.
6. Touch 〈 Save 〉 to save the changes.

Deleting a Group

1. touch ⌂ **Home**, then touch 🔲 **Contacts → Groups**.
2. Touch ▤ **Menu**, then touch **Delete**.
3. Touch a group to mark it for deletion, or touch **Select all** to mark all groups. When selected, a check mark appears in the check box.
4. Touch 〈 Delete 〉 to delete the group(s).
5. Touch **Group only** or **Group and group members**.

Adding Contacts to a Group

Tip: You can also add a contact to a group when you create the contact. (For more information, refer to *"Creating Contacts"* on page 44.)

---

1. Touch ⌂ **Home**, then touch 🔲 **Contacts → Groups**.
2. Touch a **Group** to display it, then touch 🔲.

3. Touch contact(s) to mark them for addition, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.

4. Touch `Add` to add the selected contact(s).

Removing Contacts from a Group

Tip: You can also add a contact to a group when you edit the contact. (For more information, refer to *"Updating Contacts"* on page 45.)

1. Touch ⌂ **Home**, then touch 🧑 **Contacts ➔ Groups**.

2. Touch a **Group** to display it.

3. Touch ▤ **Menu**, then touch **Remove member**.

4. Touch contact(s) to mark them for removal, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.

5. Touch `Remove` to remove the selected contact(s).

Sending a Message to Group Members

1. Touch ⌂ **Home**, then touch 🧑 **Contacts ➔ Groups**.

2. Touch a **Group** to display it.

3. Touch ▤ **Menu**, then touch **Send Message**.

4. Touch contacts to mark them as recipients for the new message, then touch `Send`.

5. The new message opens, with the marked contacts as recipients. Continue creating the message, as desired. (For more information, refer to *"Creating and Sending Messages"* on page 58.)

Logs

Logs displays all calls, messages, emails, IMs, and Facebook, MySpace and Twitter messages sent and received from contacts.

1. Touch ⌂ **Home**, then touch 🧑 **Contacts ➔ Logs**.

2. A list of calls, messages and emails displays, sorted by time, with most recent first.

3. Touch ▤ **Menu** for these options:

   • **View by**: Filter records by type. Choose from **All logs**, **All calls**, **Missed calls**, **Dialed calls**, **Received calls**, **Rejected calls**, **All messages**, **Sent messages**, or **Received messages**.

   • **Delete**: Erase history records.

   • **View call timer**: Select whether **Last call**, **Outgoing Calls**, **Incoming Calls**, **Roaming Calls**, **All Calls**, **Last Reset**, and **Lifetime Calls** will be listed.

Speed Dials

Speed Dials are 1-digit shortcuts (1 to 9) you assign to contacts, to allow you to quickly call the contact.

Note: Some Speed Dials are reserved by default, and cannot be assigned:

Speed Dial 1 is reserved for Voicemail.

Assigning Speed Dials

1. Touch 🏠 **Home**, then touch 📇 **Contacts**.
2. Touch ▤ **Menu**, then touch **Speed dial settings**. An array of speed dial numbers appears in the display.
3. Touch a speed dial, then touch a Contact to assign the contact to the speed dial.

Removing or Reassigning a Speed Dial

1. Touch 🏠 **Home**, then touch 📇 **Contacts**.
2. Touch ▤ **Menu**, then touch **Speed dial settings**. An array of speed dial numbers appears in the display.
3. Touch ▤ **Menu**, then touch an option:
   - **Change order**: Touch and hold a speed dial, then drag it to a new location in the list.
   - **Remove**: Touch a speed dial to remove it.

Section 5: Entering Text

This section describes how to enter words, letters, punctuation, and numbers when you need to enter text. Your phone provides on-screen QWERTY keyboards to support quick and easy text input.

• **Screen keyboard, landscape**
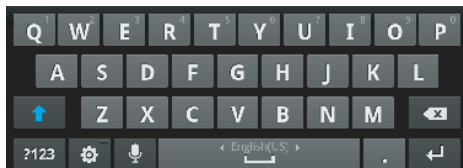
• **Screen keyboard, portrait**
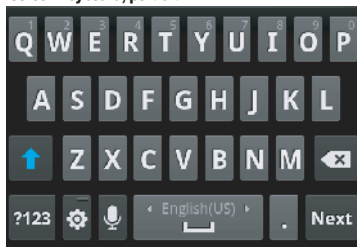
Screen QWERTY Keyboards

Touching the keyboard on the screen enters letters, punctuation, numbers, and other characters into text entry fields or applications. Access a screen keyboard by touching any text entry field.

The screen QWERTY keyboards appear at the bottom of the screen. By default, when you rotate the phone, the screen orientation updates to keep the keyboard at the bottom of the screen.

Screen Keyboard Types

Your phone offers three on-screen QWERTY keyboards:

• **Samsung Keypad** (default): Use the Samsung Keypad to enter text by touching keys on the screen. You can also use XT9 predictive text to match the first few letters you type with words in a dictionary, then you can select a finished word from a list.

• **Swype**: Use the Swype keyboard to enter words by gliding your finger over the on-screen QWERTY keyboard, lifting your finger between words. You can also touch individual keys or use Swype Word Prediction or Voice Recognition.

Changing the Keyboard Type

When entering text, you can select the type of on-screen keyboard you wish to use.

■ Touch and hold on a text input field, then select a keyboard type:
  • **Samsung keypad**
  • **Swype**

Using the Samsung Keypad

The Samsung Keypad is a custom screen QWERTY keyboard, featuring predictive text and handwriting recognition. Input characters by touching the on-screen keys with your finger, or trace characters on the screen with your finger.

As you enter characters, predictive text matches your key touches to common words and displays them. Select a word from the display to insert it into your text.

Configuring the Samsung Keypad

Configure the Samsung Keypad to your preferences.

• While entering text, touch ⚙. The **Samsung keypad settings** screen appears in the display.

• For more information, refer to *"Samsung keypad"* on page 144..

Note: In Landscape orientation touching the ⚙ key displays the **Samsung keypad settings**, but in Portrait orientation it also displays **Portrait keypad types**: **Qwerty Keypad**, **3x4 Keypad**, **Handwriting Box 1** and **2**.

Changing the Text Input Mode - Keypad

There are two main text input keys that change the on-screen keys within the Samsung keypad.

The available Text Input modes are: **?123** and **Abc**.

ABC   **ABC Mode**: Activates the default alphabet keys. Can also be set to **ABC** or **abc** by using the shift key (⬆).

?123   **?123 Mode**: Activates the number, symbol, and emoticon keys.

Note: When in **ABC** mode, the **?123** key appears. When in **?123** mode, the **ABC** key appears.

1. If desired, rotate your phone counterclockwise to Landscape orientation.

2. Touch a text input field. The following screen appears in the display:

3. Touch the desired alphabetic characters.

4. To change capitalization to the Abc mode, touch the shift key (⬆). The shift key (⬆) will change to ⬆ .

5. After typing the first letter, the shift key (⬆) will change to ⬆ and additional letters will be lowercase.

6. Touch ⬆ and hold to input another upper-case letter or touch ⬆ twice to switch to ABC mode. The shift key will change to ⬆ in ABC mode. Any additional letters will be uppercase, until you touch the shift key (⬆) again.

7. Touch [Send] to send the message, or touch ▤ for more options. (For more information, refer to *"Creating and Sending Messages"* on page 58.)

Using ?123 Mode

Use ?123 Mode to add numbers, symbols, or emoticons.

1. On the Samsung Keypad screen, touch `?123` at the bottom of the screen. The following screen appears in the display:

2. Touch the desired number, symbol, or emoticon characters.

3. Touch the `1/3` button to cycle through additional pages.

4. Touch `ABC` to return to Abc mode.

Using XT9 Predictive Text

XT9 is a predictive text system that has next-letter prediction and regional error correction, which compensates for users touching the wrong keys on QWERTY keyboards.

1. Rotate your phone counterclockwise to a Landscape orientation.
2. Touch ![icon] at the bottom of the screen. The **Samsung keypad settings** screen displays.
3. Touch the **XT9** field. A green check mark will appear next to the field.
4. Touch the **XT9 advanced settings** field to modify XT9 associated settings. (For more information, refer to *"Samsung keypad"* on page 144.)

Note: The XT9 option is available only when Abc mode has been selected.

5. Begin typing a word. A list of word options is displayed. Touch one of the words to replace the word that has already been typed.

6. Continue typing your message. Touch ![Send] to send the message, or touch ![icon] for more options. (For more information, refer to *"Creating and Sending Messages"* on page 58.)

Note: You can also use XT9 mode in the portrait orientation.

Using the Swype Keyboard

The Swype keyboard offers a new way to enter text on touch screens. Instead of touching each key, use your finger to trace over each letter of a word. For each word, place your finger on the first letter and glide to the subsequent letters, lifting on the last letter.

This example shows how to enter the word "this". Put your finger down on the "t", and without lifting, glide it to the "h", then to the "i" then over to the "s".
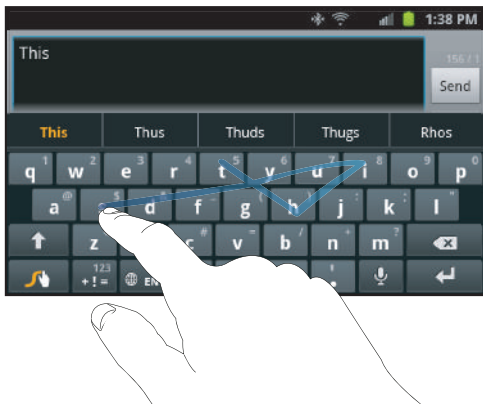
Here are a few tips to get you started:

• **Spacing is automatic**: When you finish a word, just lift your finger and start the next word.

• **Double letters**: Just "scribble" on the key.

• **Capitalization**: Swype recognizes and capitalizes the first word of sentences. If you want to capitalize a word that isn't at the beginning of a sentence, just glide above the keyboard before gliding over the next letter.

• **Contractions**: Swype recognizes most words that include an apostrophe; just swype the letters of the word, including the apostrophe.

• **Punctuation**: Touch and hold a key to view a punctuation menu and make a selection.

• **Accented characters**: Just glide through the letters of the word. Swype usually recognizes the word and correctly accents the letters.

• **Error correction**: If you make a mistake, double-touch on the word you want to change.

Configuring Swype

Configure Swype to your preferences.

• While entering text, touch and hold 🔥. The Swype **Settings** screen appears in the display.

• For more information, refer to *"Swype"* on page 143..

Swype Help

While entering text, you can get tips and instructions about using Swype.

• Touch and hold the 🔥 **Swype** key ➔ **Preferences** ➔ **Show tips** to show **Tips**.

• Touch and hold the 🔥 **Swype** key ➔ **How to Swype** for an interactive tutorial.

Entering Symbols and Numbers

Using the Swype Keyboard:

- Touch and hold on a key to enter the symbol or number at the top of the key.
- Touch and hold on a key until a menu of all characters available on that key appears, then touch a character to enter it.
- Touch 123 +!= to switch to Symbol mode, then touch a key.
- Touch 123 +!= → 🕞, then touch the corresponding key.

Using the Numeric Keyboard

Switch to a Numeric Keyboard, to quickly enter numbers and mathematical operators:

- Touch 123 +!= .

From the Numeric Keyboard, you can switch to an Alphanumeric Keyboard:

- Touch 123 +!= .

Editing Keyboard

The Editing Keyboard provides a quick way to move the cursor and highlight text. If the application in which you are working supports editing, you can cut, copy or paste selected text.

To access the Editing Keyboard:

- Swype from the 🔀 **Swype** key to the 123 +!= **SYM** key.

Select All	Page Up	↑	Home	Cut	⌦
Cursor Jump	←	Select Text	→	Copy	⌫⌫
→‖	Page Dn	↓	End	Paste	⌫
🔀	123 ABC	⎵		↵	

Using Swype Speech Recognition

Enter text by speaking. Swype recognizes your speech and enters text for you.

To use Swype Speech Recognition:

- Touch the 🎤 **Speech Recognition** key.

Section 6: Messaging

This section describes how to send and receive messages, and how to use other features associated with messaging.

Types of Messages

Your phone supports these types of messages:

- **Text messages**: Send and receive simple messages containing text to other mobile phones or email addresses (also known as SMS).

- **Multimedia messages**: Send and receive text messages with pictures and/or sound to other mobile phones or email addresses (also known as MMS).

- **Email**: Send and receive email from your email accounts, including Microsoft Exchange email.

- **Gmail**: Send and receive Gmail from your Google account.

- **Google Talk**: Chat with other Google Talk users.

Note: Messaging service availability depends on your network and service plan. Contact your Wireless Provider for more information.

Text and Multimedia Messaging

Your phone can send and receive text and multimedia messages to other mobile phones and to email addresses.

Creating and Sending Messages

1. Navigate to a Home screen panel, then touch
   Messaging ➔ .

2. To enter recipient numbers or email addresses, touch the **Enter recipient** field.

   – or –

   To select recipients from the following lists, touch :

   - **Contacts**: to select a recipient from your Contacts list (valid entries must have a wireless phone number or email address).

   - **Recent**: to select a recipient from a list of recently sent messages.

   - **Groups**: to select a recipient from the Group list.

   - **Favorites**: to select one or more recipients from a list of contact Favorites (valid entries must have a wireless phone number or email address).

3. To add a recipient from either Contacts, Recent, Groups, or Favorites, touch each contact to place a check mark then touch **Add**. The selected contact(s) display in the recipient field.

If you have more than one recipient, the same text message is sent to all recipients in the **Enter recipient** field.

Note: To delete a recipient from the list, touch the recipient, then touch **Delete** in the pop-up.

4. To compose message text, touch the **Tap to enter message** field. While composing a message, touch ☰ **Menu** for these options:
  • **Insert smiley**: Add a smiley character set from a pop-up array.
  • **Add text**: Add text items from sources such as: Location, Contacts, Calendar, Memo, and Task.
  • **Add slide**: Adds a blank page to the message.
  • **Add subject**: Add a subject field to the message and enter a subject. [This option converts your SMS (Text) message to an MMS (Multimedia) message.]

5. To attach any of the following items to your message [and automatically convert it from SMS (Text) to an MMS (Multimedia) message], touch ⏀ :
  • **Picture**: Add an existing picture.
  • **Take picture**: Take a new picture.
  • **Video**: Add an existing video.
  • **Capture video**: Record a new video.
  • **Audio**: Add an existing sound clip.
  • **Record audio**: Create a new audio clip.
  • **Contacts**: Add one or more contact name cards.
  • **Calendar**: Add one or more calendar events.

6. To send your message, touch **Send**.

Note: If you exit a message before you touch **Send** the message automatically saves as a draft.

Managing Messages

Threaded View

Messages you send and receive to the same Contact, number, or address are grouped together as a "thread". Threaded messages allow you to see all the messages you exchanged with a Contact or other recipient, with the latest message displayed first.

1. Navigate to a Home screen panel, then touch
   Messaging.

2. Message threads display by contact, number, or address. While viewing message threads, you have these options:

   • Touch and hold a thread to choose from:

   – **View Contact / Add to Contacts**: View the contact record, or save the sender/recipient's information as a new contact, or to update an existing contact.

   – **Delete thread**: Erase the entire message thread.

   • Touch ▤ **Menu** for these options:

   – **Search**: Enter characters to search messages and recipient lists.

   – **Settings**: Configure message settings.

   – **Delete threads**: Touch message threads to mark them for erasure, or touch **Select all** to mark all message threads for erasure.

Message Settings

Configure message settings.

1. Navigate to a Home screen panel, then touch
   Messaging.

2. Touch ▤ **Menu**, then touch **Settings** to set:

   • **Font size**: Choose the message text font size, Normal, Small, or Tiny.

   • **Split view**: Enables the phone to display a split view screen (message thread list on the left, selected thread content on the right) when the phone is in landscape view.

   • **Storage settings**:

   – **Delete old messages**: Touch to enable or disable automatic erasure of messages when stored message reach default limits. When disabled, the phone will prompt you to delete old messages to make room.

   – **Text message limit**: Touch to set a limit for the number of text messages per thread.

   – **Multimedia message limit**: Touch to set a limit for the number of multimedia messages per thread.

   • **Text message (SMS) settings**:

   – **Delivery reports**: Request report of delivery date and time for all messages sent.

- **Multimedia message (MMS) settings**:
  - **Delivery reports**: Request report of delivery date and time for all messages sent.
  - **Auto-retrieve**: Touch to enable or disable automatic retrieval of MMS messages. When enabled, MMS messages download automatically. When disabled, the phone prompts to download new MMS messages.
  - **Roaming auto-retrieve**: Touch to enable or disable automatic retrieval of MMS messages when in Roaming mode. When enabled, MMS messages download and display automatically. When disabled, the phone prompts you to download new MMS messages.
- **Notification settings**:
  - **Notifications**: Touch to enable or disable alerts in the status bar.
  - **Screen On**: Touch to enable/disable screen notifications.
  - **Select ringtone**: Touch to select a ringtone for message alerts.
  - **Vibrate**: Touch to enable or disable vibration for message alerts.
- **Signature**:
  - **Enable Signature**: Touch to enable or disable including signature text in your messages. (Also enables **Signature Text**.)
  - **Signature Text**: Touch to enter, edit, or replace signature text to be included in your messages.

Gmail

Send and receive emails via Gmail, Google's web-based email.

- Navigate to a Home screen panel, then touch
  Applications ➔ Gmail.

Configuring Your Gmail Account

Set up your Google account to synchronize contacts, calendars, and allow access to Gmail. (For more information, refer to *"Adding a Google account"* on page 40..)

Refreshing Your Gmail Account

Refresh your account to update your phone from the Gmail servers.

1. Navigate to a Home screen panel, then touch
   Applications ➔ Gmail.
2. Touch Menu, then touch **Refresh**.

Composing and Sending Gmail

1. Navigate to a Home screen panel, then touch
   Applications ➔ Gmail.
2. Touch Menu, then touch **Compose**.
3. Touch the **To** field to enter recipients. As you enter names or numbers, matching contacts display. Touch a contact to add it to the field.
4. Touch the **Subject** field to enter a subject.

5. Touch **Compose Mail** to enter the text of your email.

6. While composing a message, touch ☰ **Menu** for these options:
   - **Send**: Send the message.
   - **Save draft**: Close the message and save it in Drafts
   - **Add Cc/Bcc**: Create Cc (copy) and Bcc (blind copy) fields to the message. After creating the fields, touch to enter recipients.
   - **Attach**: Launch Gallery to select a picture to add to the message.
   - **Discard**: Close the message without saving.
   - **Help**: Show help information.

7. Touch ✉ **Send** to send the message.

Gmail account settings

1. Navigate to a Home screen panel, then touch ▦ **Applications** ➔ ⋈ **Gmail**.

2. Touch ☰ **Menu**, then touch **More** ➔ **Settings** ➔ **General preferences**:
   - **Message Actions**: Allows you to configure how to display message actions. Choose from: Always show, Only show in portrait, and Don't show.
   - **Clear search history**: Remove previous searches you have performed.

   - **Clear "Show pictures"**: Restores defaults for all senders and configures the preference to not show pictures automatically.

3. Select an account (from within the Account settings area) and choose from one of the following options:
   - **General settings**:
     - **Signature**: Create a text signature to add to outgoing messages.
     - **Confirm actions**: Displays a confirmation dialog whenever you select certain actions.
     - **Reply all**: Enable/disable "Reply all" as default response to all messages.
     - **Auto-advance**: Select which screen appears after you delete or archive a conversation.
     - **Message text size**: Select Tiny, Small, Normal, Large, or Huge text size.
     - **Batch operations**: Allow changes to labels on more than one conversation.
     - **Sync inboxes and labels**: Selects which labels are synchronized.
   - **Notification settings**:
     - **Email notifications**: When enabled, notifications for new email appears in the Notifications Panel.
     - **Labels to notify**: Choose notification preferences for synched labels.

Google Talk

Chat with other Google Talk users.

Tip: Talk requires that you have a Google account. Use the Gmail application to set up your Google account on your phone. (For more information, refer to *"Adding a Google account"* on page 40.)

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1. Navigate to a Home screen panel, then touch
   Applications → talk Talk.
2. If you have already set up your Google account, you are automatically logged in. If you do not have a Google account, you can touch **Create** to create a new Google account.
3. Use the application's controls to chat with other Google Talk users.

Email

Send and receive email using popular email services.

Note: Only some paid "Plus" accounts include POP access to allow this program to connect. If you are not able to sign in with your correct email address and password, you may not have a paid "Plus" account. Please launch Browser to access your account.

Tip: For more information on setting up your email, contact your Wireless Provider and your Email Service Provider.

Setting up access to Email accounts

You can set up access to most Email accounts in just a few steps. (For Microsoft Exchange accounts, see *"Adding a Microsoft Exchange® account"* on page 41.)

Setting up the first Email account

1. Navigate to a Home screen panel, then touch
   Applications → @ Email. If you have not set up access to an email account, the **Set up email** screen appears.
2. In the **Email address** field, enter your Email address.

3. Touch the **Password** field, then enter your Email account password.

4. Touch **Done → Next**. The phone communicates with the server to confirm your account.

5. Touch **Done**. The phone attempts to communicate with the server to confirm your account.

   • If communication is successful, follow the prompts to complete set-up, then touch **Done** and a list of the messages in your Inbox appears.

   • If communication fails, you are prompted to indicate the type of email account you have. Touch **Manual setup → POP3 account**, **IMAP account** or **Microsoft Exchange ActiveSync**, then enter the account details. (For Microsoft Exchange ActiveSync details, For more information, refer to *"Adding a Microsoft Exchange® account"* on page 41.)

Setting up additional Email accounts

1. Navigate to a Home screen panel, then touch **Applications → Email**.

• If you have already set up access to one email account, a list of the messages in your Inbox appears. Touch the account ID button in the upper left portion of the screen, the **Accounts** list appears.

Account ID button

• If you have already set up access to two or more email accounts, the **Accounts** list appears.

2. Touch **Menu → Add account**. The **Set up email** screen appears.

3. In the **Email address** field, enter your Email address.

4. Touch the **Password** field, then enter your Email account password.

5. Touch **Done → Next**. The phone attempts to communicate with the server to confirm your account.

   • If communication is successful, follow the prompts to complete set-up, then touch **Done** and a list of the messages in your Inbox appears.

• If communication fails, you are prompted to indicate the type of email account you have. Touch **Manual setup ➔ POP3 account**, **IMAP account** or **Microsoft Exchange ActiveSync**, then enter the account details.

Tip: For more information on setting up your email, contact your Wireless Provider and your Email Service Provider.

Composing and Sending Email

1. Navigate to a Home screen panel, then touch
   Applications ➔ Email.
   If you have set-up more than one Email account, select one of them.

2. Touch **Compose**.

3. Touch the **To** field to enter recipients. As you enter names or numbers, matching contacts display. Touch a contact to add it to the field.

4. Touch the **Subject** field to enter a subject.

5. Touch the text field to enter the text of your email.

6. While composing a message, touch **Menu** for these options:

   • **Add Cc/Bcc**: Create Cc (copy) and Bcc (blind copy) fields to the message. After creating the fields, touch to enter recipients.

• **Save as draft**: Close the message and save it in Drafts.

• **Discard**: Erases the current message.

• **Priority**: Assign a priority status to this message.

• **Security options**: Allows you to assign security options to the current message. Choose from Encryption and/or require a Signature.

• **Tracking options**: Lets you select to receive Read receipt and/or Delivery receipt messages for messages you send.

7. Touch the email text field and compose your email message.

   • To add an attachment (such as image, video, audio, etc.), touch **Attach** (from the bottom of the screen) and make a category selection.
      — Touch the file you wish to attach.
      — Touch to delete the attached file.

   • To insert a Gallery, Contacts, Location, Calendar, and Memo item, touch **Insert** and make a selection.
      — Touch the file you wish to attach.

Note: If you attach an image to your email, you have the option to resize it prior to delivery. Choose from: Original, Large (70%), Medium (30%), or Small (10%). Once chosen, touch **OK**.

8. Once complete, touch **Send**.

Managing Emails

Combined Inbox

Emails you receive to all accounts are presented in the combined Inbox, or you can view email accounts individually.

1. Navigate to a Home screen panel, then touch
   Applications → ⓐ Email.
   • If you have already set up access to one email account, a list of the messages in your Inbox appears. Touch the account ID button in the upper left portion of the screen, the **Accounts** list appears.
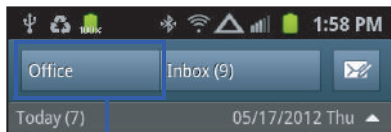
Account ID button

• If you have already set up access to two or more email accounts, the **Accounts** list appears.

2. Touch an account, or touch **All Inboxes**.

Refreshing Your Email Account

Refresh your account to update your phone from the servers.

1. Navigate to a Home screen panel, then touch
   Applications → ⓐ Email.
2. Touch ▤ **Menu**, then touch **Refresh**.

Email Account Settings

Use Account settings to configure handling of email from your accounts.

Note: These are basic settings for most accounts. Some email accounts may have additional settings.

1. Navigate to a Home screen panel, then touch
   Applications → ⓐ Email.
2. Select the email account you want to manage. (For Microsoft Exchange accounts, see *"Managing a Microsoft Exchange account"* on page 42.)
3. Touch ▤ **Menu → More → Account settings** to access the following options:
   • **General settings**

- **Account name**: Enter a name to identify the account.
- **Your name**: Enter a name as it will appear in email messages you send.
- **Add signature**: When active, adds pre-composed signature text to send messages.
- **Signature**: Enter or change signature text.
- **Email check frequency**: Choose how often your phone will check your email account for new messages.
- **Default account**: When active, sends email from this account by default.
- **Always Cc/Bcc myself**: Adds your email address to None of send email messages or to Cc or Bcc field of send email messages.

• **Notification settings**
  - **Email notifications**: Enable or disable display of a new email icon in the Annunciator line when new mail arrives.
  - **Select ringtone**: Assign a ringtone for new email notifications.
  - **Vibration**: Enable or disable vibration with new email notifications.

• **Server settings**
  - **Incoming settings**: Modify settings for accessing the email server to view incoming email messages.
  - **Outgoing settings**: Modify settings for accessing the email server to send email messages.

• **Common settings**

- **Forward with files**: Enables including copies of any attached files when forwarding a copy of an email message.
- **Split view mode**: Enables the phone to display a split view screen (email message list on the left, selected message content on the right) when the phone is in landscape view.

Google+

Google+ makes messaging and sharing with friends easy. Set up Circles of friends, get updates from your Circles, and use Messenger for fast messaging with everyone. Or, use Instant Upload to automatically upload videos and photos to your own private album.

1. From the **Applications** screen, touch **Google+**.
2. Select a sign-in account for Google+.

– or –

Touch **Create a new account** and use the on-screen
instructions to create a Google+ account. Visit
www.google.com/mobile/+/ for more information.

3. Follow the on-screen instructions to use Google+

4. For more information, visit www.google.com/mobile/+.

Messenger

Message a group of friends in one conversation. Google+ sends
an notification to the phone when you receive a conversation
invitation.

1. Sign in to your Google account.

2. From the **Applications** screen, touch 📱 **Messenger**.

3. Select the account to use as your Google+ account.

    – or –

4. From the Google+ application, select Messenger.

5. At the Messenger screen, touch 📮 to start a new
    message.

6. Enter a name, email address, or circle in the first text field.

7. In the second text field, enter a message then touch ➢.

8. Touch **Learn more** for more detailed information.

Section 7: Multimedia

This section describes how to use the multimedia features on your phone including Media Hub, Play Music, Play Store, Video Maker, Gallery, Camera, Photo editor, Camcorder, and YouTube.

Play Music App

Also known as Google Play Music, allows you to browse, shop, and playback songs purchased from the Play Store™. Music also plays any music you store on your phone. Music you choose from Play Store™ is automatically stored in your on-line Google Music library and is instantly ready to play or download.

Registration

Important! Before launching Music for the first time, link your Google account with your phone. (For more information, refer to *"Your Google™ Account"* on page 14.)

1. From the Home screen, touch ▦ **Applications** ➔ 🎧 **Play Music**. The **Welcome to Google Music** screen appears.

2. Touch **Next**. The **Select an account** screen appears.

3. Touch your Google account. The **Get free music** screen appears.

4. To register with Google Music Market, touch **Get free songs**. The Google Music Market screen appears.

5. Select a song, then touch **Free**. The song purchase screen appears.

6. Touch **Continue**. The **Credit card** screen appears.

7. Register on Google music site, enter your Card number, expiration date, Cardholder name, country of registration, ZIP code, your phone number, then touch **Save**.

8. Touch **Accept & buy**. The free song screen appears. The Download icon appears in the Notification bar.

9. Display the Notifications Panel and touch the Added to Google Music notification. The Music screen appears in the display with **RECENT** tab showing.

Playing music

The Play Music application contains a music player that plays music and other audio files that you obtain from Google Music or copy from your computer.

1. From the Home screen, touch ▦ **Applications** ➔ 🎧 **Play Music**.

Play Music searches both your online Google Music library and your device's internal storage for music and playlists.

Music lists your music, organized by album and arranged in a list or carousel view, depending on your phone's orientation (vertical or horizontal).

2. Swipe left or right to browse through your new and available music. Music, albums, and artists are grouped into categories.

3. To begin playback, touch ▲ on an album then touch **Play**.

4. Return to the Library screen from most other screens in the Music application by touching 🎧 (**Music notification icon**) at the top-left of the Application bar.

Changing Library View

You can change the way you view the contents of your library.

1. From the Home screen, touch ⊞ **Applications** ➔ 🎧 **Play Music**.

2. Touch 🎧 or tab name near the top-left of the Application bar to back up to the main Play Music menu.

3. Rotate your phone to the vertical or horizontal position:
   • Vertical (List view)
   • Horizontal (Carousel view)

   Available tabs/options include: **RECENT**, **ARTISTS**, **ALBUMS**, **SONGS**, **PLAYLISTS**, or **GENRES**.
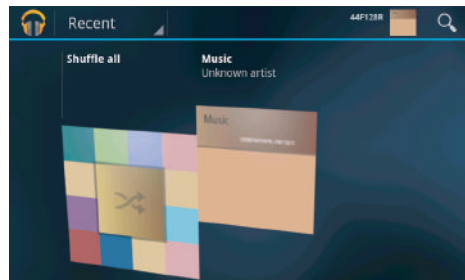
Searching for and Playing Music in Your Library

1. From the Home screen, touch ⊞ **Applications** ➔
   🎧 **Play Music** ➔ 🔍 **Search** to search through your
   available songs.

2. Type the first few characters in a name of an artist, album,
   song, or playlist.

   Matching songs are displayed in a list below the search
   box.

3. To play a matching song, touch it.

   To play a matching album, artist, or playlist, touch ◢ on
   the album, artist, or playlist, then touch **Play**.

   The **Now playing** screen opens and the song you touched
   or the first song in the album or playlist starts to play. The
   tracks in the current list play in order until you reach the
   end of the list (unless you choose the Repeat option).
   Otherwise, playback stops only if you stop it, even when
   you switch applications.

Note: If you navigate away from the **Now playing** screen in the
Music application, the Now Playing bar appears at the
bottom of the screen.

4. Touch album, artist, or playlist to view a list of songs in
   each category.

Options for Songs and Albums

1. From the Home screen, touch ⊞ **Applications** ➔
   🎧 **Play Music**.

2. Touch ◢ on an album or song. The following options are
   available:

   • **Play**: Play the song.

   • **Add to playlist**: Add the song to a new playlist or an existing
     playlist.

   • **Shop for artist**: Shop for additional albums or songs by the same
     artist as this song.

   • **Delete**: Erase the song.

   • **Search**: Enter a text string and find a matching song, artist, or
     album by name.

Listening to Music

You can listen to music by using your device's built-in speakers,
through a wired headset, or through a wireless Bluetooth stereo
headset.

Press the volume keys on the left side of the device to activate
on-screen volume control, then touch and drag on the scale to
set volume.

If you navigate away from the **Now playing** screen, to return to the **Now playing** screen from other Music screens:

■ Touch the name of the current song in the Now Playing bar.

– or –

Touch (**Music notification icon**) in the System bar, and in the Status Details opens, touch the song title. You can also pause and resume playback and skip to the next or previous song in the panel.

The **Now playing** screen contains several buttons that you can touch to control the playback of songs, albums, and playlists:

Touch to go back to the previous song. Touch and hold to scan backward through the current song.

Touch to resume playback

Touch to pause playback.

Touch to advance to the next song. Touch and hold to scan forward through the current song.

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Options While Playing a Song

When you play a song, the **Now playing** screen displays. There are various options and controls available while a song is playing:

1. From the Home screen, touch ☐ **Applications** ➔ 🎧 **Play Music**.

2. Touch ▤ **Menu** to display the following options:

 • **Show options**: The following additional buttons appear in the Now playing screen:

 When Shuffle mode is enabled via **Show options**, songs play in random order. When disabled (as shown), songs play in the order they appear in List view.

 When Shuffle mode is enabled via **Show options**, songs play in random order. When enabled (as shown), songs play in random order.

 Touch to repeat the current song, repeat all songs, or disable repeat mode.

 • **Settings**: View and change Music app settings.

Changing Music Settings

1. From the Home screen, touch **Applications** ➔ **Play Music**.

2. Touch **Menu**. The following options are available:

   • **Shuffle all**: Play all songs in a random order.

   • **Make available offline**: Marks this song/album/artist to appear in the Library View even when your phone has no data connection.

   • **Offline music only**: List only music available offline.

   • **Settings**:

      — **Google Play account**: Select the Google account you will use to access Google Play Music Market.

      — **Hide unavailable music**: When enabled, shows only available songs when your phone has no data connection.

      — **Cache music**: Temporarily store songs streamed from Google Music Market.

      — **Stream via Wi-Fi only**: Allows Music to stream songs from Google Music Market only over a Wi-Fi connection.

      — **Stream high quality**: Always stream songs from Google Music Market at the highest available quality.

      — **Refresh**: Synchronize Music with your songs on Google Music Market.

      — **Download via Wi-Fi only**: Allows Music to download songs from Google Music Market for offline availability only over a Wi-Fi connection.

      — **Download queue**: Shows the songs currently being downloaded.

      — **Open source licenses**: Shows licenses for open source software used by Music.

      — **Music version**: Shows the release version of Google Music on your phone.

   • **Help**: Launches the Browser to show how to use Google Music.

Creating a Playlist

1. From the Home screen, touch (**Applications**) ➔ **Play Music**.

2. Select the **PLAYLISTS** tab.

3. Touch . The **Playlist name** window displays with a default playlist name in the name field.

4. Enter the desired Playlist name and touch **OK**. The new playlist appears in the **PLAYLISTS** screen.

Adding Songs to Playlists

1. From the Home screen, touch (**Applications**) ➔ **Play Music**.

2. Touch on an album or song.

3. Select **Add to playlist**. The Add to playlist menu pops-up.

4. Select the desired target playlist.

Playing a Playlist

1. From the Home screen, touch 🔲 (**Applications**) ➔ 🎧 **Play Music**.
2. Select the **PLAYLISTS** tab.
3. Touch 🔲 on the desired playlist.
4. Select **Play**.

Deleting a Playlist

1. From the Home screen, touch 🔲 **Applications** ➔ 🎧 **Play Music**.
2. Select the **PLAYLISTS** tab.
3. Touch 🔲 on the desired playlist.
4. Select **Delete**.

Music Player

Music Player plays music files stored on a microSD or microSDHC Memory Card. (For information on installing a Memory Card, page 7.)

Important! For information on transferring media files to a memory card, see *"Transferring Files to a Memory Card"* on page 97.

Playing Music

1. From the Home screen, touch 🔲 **Applications** ➔ 🔵 **Music Player**.
2. Select a tab to display your music files, from **All**, **Playlists Albums**, or **Artists**.
3. Browse through your available music to find songs.
4. Touch a song or playlist to begin playback.
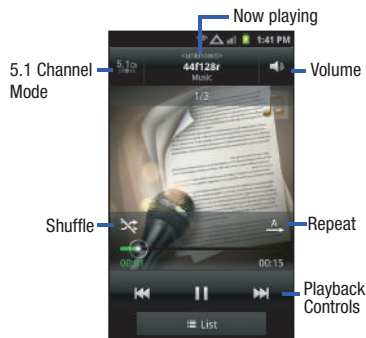
5. During playback, use the sound and playlist controls:
   • **Volume**: Enable on-screen volume control.
   • **Now playing**: Display the current song title and information.

• **5.1 Channel Mode**: Enable surround sound (headphones only).

• **Shuffle**: Touch to enable or disable shuffle mode. when enabled, songs play in random order. When disabled, songs play in the order they appear.

• **Repeat**: Touch to repeat the current song, repeat all songs, or disable repeat mode.

• **Playback Controls**: Touch to play a previous song, the current song, or the next song. Touch and hold to rewind or fast forward playback of the current song.

Creating a Playlist

1. From the Home screen, touch **Applications** ➔ **Music Player** ➔ **All**.

2. Touch **Menu** ➔ **Add to playlist**.

3. Select one or more songs, or touch **Select all**, then touch **Add**.

4. Select an existing playlist to add the selected song(s) to it, or touch **Create playlist** to create a new named playlist and add the selected song(s) to it.

Setting a song as a ringtone

You can set a song as a ringtone for all voice calls, for calls from an individual contact, or as an alarm tone.

1. From the Home screen, touch **Applications** ➔ **Music Player** ➔ **All**.

2. Touch and hold a music file, then touch **Set as** and choose from these options:

• **Phone ringtone**: Set the song as the default ringtone for all incoming voice calls.

• **Caller ringtone**: Choose a contact to set the song as the ringtone for calls from the contact.

• **Alarm tone**: Set the song as the alarm ringtone for a new alarm, or for an existing alarm.

Camera

Use your phone's built-in Camera to take pictures and record videos.

■ From the Home screen, touch ▦ **Applications** ➔ ◉ **Camera**.

Mode Button

Take Button

Image Viewer

Shortcuts Bar
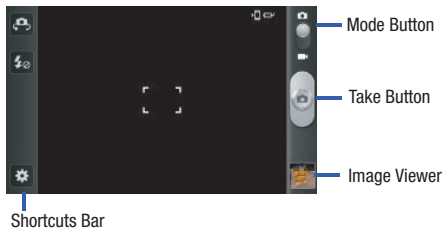
Important! Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

Taking Pictures

1. From the Home screen, touch ▦ **Applications** ➔ ◉ **Camera**.

2. Using the display as a viewfinder, compose your picture by aiming the lens at the subject.
   • Touch the screen to focus on the area you touched.

• To zoom the in and out on the current subject, press the Volume key Up or Down, or touch the viewfinder image with two fingers, then sweep them apart to zoom in or pinch them together to zoom out.

• To configure settings, see *"Camera Settings"* on page 77.

3. To take the picture, touch the ◯ **Take** button.

4. After taking a picture, touch **Image Viewer** to view the picture. While viewing the picture, use these options:
   • Touch **Delete** to erase the picture.
   • Touch **Share** to send the picture via **AllShare**, **Bluetooth**, **Email**, **Gmail**, **Google+**, **Messaging**, **Photo editor**, **Picasa**, **Social Hub**, or **Wi-Fi**.
   • Touch **More** ➔ **Set as** to assign the picture as a contact icon, or as wallpaper.
   • Touch **More** ➔ **Rename** to the file name automatically assigned to the picture.
   • Touch ⤺ **Back** to return to the Camera to take more pictures.

5. Touch the icons on the Shortcuts Bar to adjust camera settings:
   • 🔄 **Swap Camera**: Toggle between the front and rear cameras.
   • ⚡ **Flash**: Choose **Off** (never flash), **On** (always flash), or **Auto flash** (flash only when the light is low).

- **Settings**: Launches the **Settings** menu.

Camera Settings

Swap Cameras

Flash

Camera Settings

■ While in Camera mode, touch **Settings** to configure:
   • **Edit shortcuts**: Select which 4 camera setting icons appear in the shortcut bar. (The **Settings** icon cannot be removed or replaced.)

- **Self portrait**: When set to **On**, automatically chooses front camera and assigns values to other camera settings to provide best quality self portrait images.

- **Flash**: Choose **Off** (never flash), **On** (always flash), or **Auto flash** (flash only when the light is low).

- **Shooting mode**: Choose a camera shooting mode (**Single Shot**: take a single photo, **Smile shot**: touch the Camera button to automatically focus on the subject's face and take the picture when the subject smiles, **Beauty**: touch the Camera button to automatically adjust exposure value for the subject's face, **Panorama**: take multiple pictures by moving the device to create a panorama, **Action shot**: Increases the shutter speed for fast action photography, and **Cartoon**: Applies a cartoon-like effect to your image.

- **Scene Mode**: Choose a mode to match conditions (None, Portrait, Landscape, Night, Sports, Party/Indoor, Beach/Snow, Sunset, Dawn, Fall color, Firework, Text, Candlelight, Backlight).

- **Exposure value**: Choose a positive exposure value to brighten the next picture. Choose a negative exposure value to darken the next picture.

- **Focus mode**: Choose a type of automatic focus.

- **Timer**: Set a delay before taking a picture.

- **Effects**: Apply an effect to pictures.

- **Resolution**: Choose a size for the image.

- **White balance**: Choose a setting for the light source.

- **ISO**: Choose an ISO setting to ensure best picture clarity for conditions.

- **Metering**: Select a method for measuring light.

- **Outdoor visibility**: Enhances screen readability in bright light.

- **Anti-Shake**: Select to ensure picture clarity.

- **Auto contrast**: Select to let the camera automatically adjust picture contrast to match conditions.

- **Blink detection**: Select to ensure camera takes picture when subject's eyes are open.

- **Guidelines**: Enable or disable an on-screen grid to aid in photo composition.

- **Review**: Enable or disable the instant review feature, to display images immediately after capture.

- **Image quality**: Choose a quality setting for photos.

- **GPS tag**: Enable or disable inclusion of location information with each new photo.

- **Storage**: Select where photos will be stored: **Phone** or **Memory card**.

- **Reset**: Set all Camera settings to the defaults.

Camcorder

Use your phone's built-in Camcorder to record video.

■ From the Home screen, touch [≡] **Applications →** [⊙] **Camera**, then touch and drag the **Mode** button from [⊙] to [▭].

Mode Button

Record

Image Viewer

Shortcut Bar
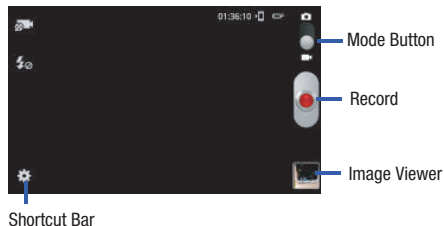
Important! Do not record videos of people without their permission.

Do not record videos in places where cameras are not allowed.

Do not record videos in places where you may interfere with another person's privacy.

Capturing Video

1. From the Home screen, touch ⊞ **Applications** ➔ 📷 **Camera**, then touch and drag the **Mode** button from ⬤ to ▭.

2. Using the display as a viewfinder, compose your shot by aiming the lens at the subject.
   • To configure settings, see *"Camcorder Settings"* on page 79.
   • To zoom the in and out on the current subject, touch the viewfinder image with two fingers, then sweep them apart to zoom in or pinch them together to zoom out. (Not available with **Resolution** set to **1920x1080**.)

3. To start recording, touch the **Record** button.

4. To stop recording, touch the **Record** button again.

5. After recording, touch **Image Viewer** to view the video. While viewing the video, use these options:
   • Touch the Play arrow on the screen to review the video.
   • Touch **Share** to send the picture via **AllShare**, **Bluetooth**, **Email**, **Gmail**, **Messaging**, **Wi-Fi**, or **YouTube**.
   • Touch **Delete** to erase the video.
   • Touch **More** ➔ **Play** to review the video.
   • Touch **More** ➔ **Rename** to the file name automatically assigned to the video.

• Touch ⬅ **Back** to return to the Camera to take more pictures.

6. Touch the icons on the Shortcuts Bar to adjust camera settings:
   • 📹 **Recording mode**: Select Normal, Limit for MMS, or Self recording.
   • ⚡ **Flash**: Choose **Off** (never flash) or **On** (always flash).
   • ⚙ **Settings**: Launches the **Settings** menu.

Camcorder Settings

Shooting mode — 📹
Flash — ⚡
Camcorder Settings — ⚙

- While in Camcorder mode, touch ⚙ **Settings** to configure:
  - **Edit shortcuts**: Select which 4 camcorder setting icons appear in the shortcut bar. (The **Settings** icon ⚙ cannot be removed or replaced.)
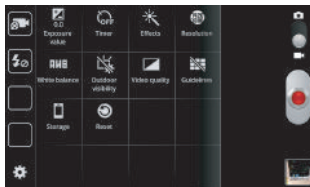
  - **Flash**: Choose **Off** (never flash) or **On** (always flash).
  - **Recording mode**: Choose a recording mode from **Normal** (Record a video of any length), **Limit for MMS** (Record a video up to 1 minute long, suitable for sending in a Video message), or **Self recording** (Automatically chooses front camcorder and assigns values to other camcorder settings to provide best quality self portrait video).
  - **Exposure value**: Choose an exposure value.
  - **Timer**: Set a delay before starting recording.
  - **Effects**: Apply an effect to videos.
  - **Resolution**: Choose a size for the recording.

- **White balance**: Choose a setting for the light source.
- **Outdoor visibility**: Enhances screen readability in bright light.
- **Video quality**: Choose a quality setting for videos.
- **Guidelines**: Enable or disable cross-hatch pattern in viewfinder screen.
- **Review**: Enable or disable the instant review feature, to display videos immediately after recording.
- **Storage**: Choose where to store your videos, Phone or Memory card.
- **Reset**: Set all Camcorder settings to the defaults.

Videos

View and manage videos stored on an optional installed memory card, or shop for new videos.

1. Navigate to a Home screen panel, then touch ⊞ **Applications** ➔ ▶ **Videos**. A list of available videos appears in the display.

2. For additional options, touch ▭ **Menu**:
   • **List by**: Sort the files in the list by Size, Name, Date, or Type.

3. To play a video, touch it.

Size ——
Progress Bar

Surround Sound   Previous / Rewind   Pause / Play   Next / FF   Volume
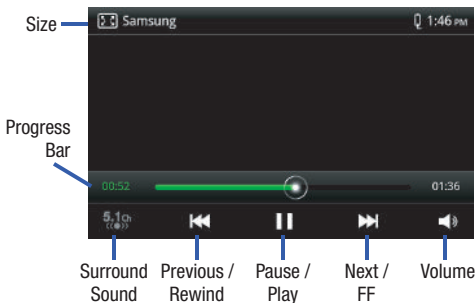
4. To display or hide on-screen playback controls, touch the Video Player screen. The following controls are available:
   • **Size**: Touch to change image size from full screen to small-size proportional image or large-size proportional image.
   • **Surround Sound**: Reproduces surround sound in headphones.
   • **Previous / Rewind**: Touch to play the previous video in the list. Touch and hold to rewind playback of the current video.
   • **Pause / Play**: Pause / resume playback of the current video.
   • **Next / FF**: Touch to play the next video in the list. Touch and hold to fast forward playback of the current video.
   • **Volume**: Activates on-screen volume control.

5. Touch ▭ **Menu** for these options:
   • **Share video**: Send the video via AllShare, Bluetooth, Email, Gmail, Messaging, Wi-Fi, or YouTube.
   • **Details**: View information about the video.
   • **Via Bluetooth**: Send the video via Bluetooth.
   • **Settings**: Choose Repeat (All videos / 1 video / Off), Brightness, Color tone (Normal / Warm / Cold), and Outdoor Visibility settings.
   • **Subtitles**: Display subtitles text included with the video.

Multimedia   81

Video Maker

Video Maker lets you custom-make your own videos. You can add themes, music, pictures, and other videos to your video.

1. From the Home screen, touch ![icon] **Applications** ➔ ![icon] **Video Maker**.

2. Follow the on-screen instructions.

Gallery

Use Gallery to view, capture, and manage pictures and videos.

Note: To take pictures or record video, you must install an optional memory card in your phone.

■ Navigate to a Home screen panel, then touch ![icon] **Applications** ➔ ![icon] **Gallery**.

Viewing Pictures

1. Navigate to a Home screen panel, then touch ![icon] **Applications** ➔ ![icon] **Gallery**.

2. Touch a category, then touch a picture to view it.

3. To send a copy of the picture to someone else, touch **Send via**. Options are: **Bluetooth**, **Email**, **Gmail**, **Messaging**, or **Wi-Fi**.

4. Touch **Delete** to erase the picture from memory.

5. While viewing a picture, touch on the screen or touch ![icon] **Menu** and select one of the following options:

   • **Share via**: Share the selected picture via **AllShare**, **Picasa**, or **Social Hub**.

   • **Set as**: Assign the picture as a Contact icon, or as Wallpaper.

   • **More**: Access additional options to **Copy**, **Print**, **Edit**, **Crop**, **Motion**, **Rotate left**, **Rotate right**, **Slideshow**, **Rename**, or view **Details**.

Viewing Videos

1. Navigate to a Home screen panel, then touch ![icon] **Applications** ➔ ![icon] **Gallery**.

2. Touch a category, then touch a video to play it.

3. While browsing videos, touch the screen or touch ![icon] **Menu** for these options:

- **Share video**: Share the selected video using **AllShare**, **Bluetooth**, **Email**, **Gmail**, **Messaging**, **Wi-Fi**, or **YouTube**.
- **Details**: View information about the video.
- **Via Bluetooth:** Send the video via Bluetooth.
- **Settings**: Change the video playback **Brightness**, **Color tone**, and **Outdoor visibility**.
- **Subtitles**: Enable or disable display of subtitles if included with this video.

Sharing pictures and video

Share pictures and videos via Email, AllShare, Bluetooth, Messaging, Picasa, or Gmail.

1. Navigate to a Home screen panel, then touch
   Applications ➔ **Gallery**.
2. Touch a category, then touch a picture or video to select it.

Tip: To select multiple pictures or videos, touch **Menu**, then touch each picture or video thumbnails or touch **Select all** to mark them, then touch **Send via**.

3. Touch **Menu**, then touch **Share via** / **Share video** to send the picture or video using applicable options (**AllShare**, **Google+**, **Bluetooth**, **Picasa**, **Social Hub**, **Email**, **Gmail**, **Messaging**, **Wi-Fi**, or **YouTube**), then follow the prompts.

Setting a Picture as a Contact Icon

1. Navigate to a Home screen panel, then touch
   Applications ➔ **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch **Menu**, then touch **Set as** ➔ **Contact icon**.
4. Select a contact, or create a new contact, with the selected picture as the contact's icon.

Setting a Picture as Wallpaper

1. Navigate to a Home screen panel, then touch
   Applications ➔ **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch **Menu**, then touch **Set as** ➔ **Home screen wallpaper**.
4. Use the crop tool to edit the picture, then touch **Save** to set the edited picture as the Home screen wallpaper.

Photo Editor

Photo Editor lets you adjust basic brightness, contrast, and color of pictures that you take on your phone. You can also apply a wide variety of effects to your photos.

1. From the Home screen, touch ⊞ **Applications** ➔ **Photo Editor** .
2. Touch **Select picture** to edit a picture in your Gallery.

   – or –

   Touch **Capture picture** to take a picture with the camera.
3. Touch the picture and it is loaded into the Photo Editor.
4. Use the following Photo Editor controls to edit your picture:

   Selection Size: Set the size of the selection tool to Small, Medium, or Large.

   Selection: Mark an area for cropping, rotating, and more.

   Crop: Crop (cut-out) an area of a photo.

   Rotate: Rotate a photo in all 4 directions. You can also mirror image a photo.

   Move: Move a photo around when you are zoomed in and the entire photo is not showing on the screen.

   Tools: Copy and Paste to different images. You can also use Warping and Fill.

   Effects: Add various effects to your photo.

   Color: Adjust the Saturation, Contrast, Brightness of a photo. You can also make it Grey-scale.

   Next: Move to next photo project.

   Previous: Move to previous photo project.

5. Touch 🔲 **Menu** to access the following options:
   • **New**: starts a new Photo Editor project. Be sure and save the photo you are working on before starting a new project.
   • **Save**: saves your photo to your gallery.
   • **Share**: allows you to share your photo via AllShare, Bluetooth, Email, Gmail, Google+, Messaging, Picasa, or Wi-Fi.

YouTube

View and upload YouTube videos, right from your phone.

■ Navigate to a Home screen panel, then touch
   ⊞ **Applications** ➔ ▶ **YouTube**.

Section 8: Connections

In addition to its network connections, your phone includes features to connect to the internet and to other devices, via Wi-Fi, Bluetooth, VPN, and Dial Up Networking.

Browser

Your phone is equipped with a full HTML Browser, which allows you to access the internet.

■ Navigate to a Home screen panel, then touch **Applications** ➔ **Browser**.

Browser Features
Command Keys

■ Touch **Back** to return to the previous page.

■ To go forward, touch **Menu** ➔ **Forward**.

Zoom In – Zoom Out

■ To zoom in on a page, with your thumb and index finger pressed together, touch the screen and drag your fingers apart.

■ To zoom out from a page, with your thumb and index finger separated, touch the screen with both fingers and drag your fingers together.

Touching and dragging

■ Touch and drag your finger on the screen to navigate pages, and to reposition pages within the screen.

Entering text in a field

■ While browsing, touch a text field to display the on-screen QWERTY keypad to enter text.

Selecting items on a page

While browsing pages, use gestures and menus to navigate links on pages:

■ Touch an item or hyperlink to select it.

■ Touch and hold on a hyperlink for these options:
  • **Open**: Go to the linked page.
  • **Open in new window**: Open a new window to display the linked page.
  • **Bookmark link**: Add a bookmark to linked page (without loading it).
  • **Save link**: Save the linked page to Download history.
  • **Share link**: Send the link via Bluetooth, Email, Gmail, Google+, Messaging, Social Hub, or Wi-Fi.
  • **Copy link URL**: Save the link's URL to the clipboard.
  • **Save image**: Save the selected image to your phone.

- **Copy image**: Save the selected image to your phone's clipboard for pasting into a message or other field.
- **View image**: Show the selected image by itself.
- **Set as wallpaper**: Save the selected image and set it as the Home screen wallpaper.

Entering a URL

Access a web site quickly by entering the URL.

1. Navigate to a Home screen panel, then touch
   Applications ➔ Browser.
2. Touch the **URL** field at the top of the screen, then enter the URL using the on-screen QWERTY keypad.

Note: If the **URL** field is not displayed, touch the Browser screen and sweep downward to reveal the **URL** field.

3. As you enter characters, potential matches display. Continue entering characters, or touch a match to complete the URL.
4. Touch $\rightarrow$ to load the page.

Using Browser Windows

You can have up to eight windows open at one time, switching between windows.

1. Navigate to a Home screen panel, then touch
   Applications ➔ Browser.
2. To open a new window, touch **Menu ➔ New window**.
3. To switch to another open window, touch **Menu ➔ Windows**. Touch a window to display it.
4. To close a window, touch **Menu ➔ Windows**. Touch **Close** beside a window to close it.

Using Bookmarks

While browsing, bookmark a site to quickly access it in the future.

Creating a bookmark

Create a bookmark to a page, for later browsing.

1. Navigate to a Home screen panel, then touch
   Applications ➔ Browser.
2. Browse to the desired web site, then touch $\boxed{\times}$ ➔ **Bookmarks** next to the **URL** field.
3. The new web site is displayed as a thumbnail with the command **Add**. Touch the bookmark to add it.

4. At the **Add bookmark** prompt, confirm the Name and Location for the bookmark, then touch **OK** to save the bookmark.

Accessing bookmarks and history

Launch a bookmarked page, or reload recent pages.

1. Navigate to a Home screen panel, then touch ⊞ **Applications → Browser**.
2. Touch ⊠ **→ Bookmarks** next to the **URL** field.
3. Touch the **Bookmarks** tab, the following options are available:
   • Touch a bookmark to load the page.
   • Touch and hold on a bookmark for these options:
     — **Open**: Launch the bookmarked page.
     — **Open in new window**: Open the linked page in a new window.
     — **Edit bookmark**: Modify the URL.
     — **Add shortcut to home**: Create a bookmark on the Home screen.
     — **Share link**: Send the page's URL via Bluetooth, Email, Gmail, Google+, Messaging, Social Hub, or Wi-Fi.
     — **Copy link URL**: Save the link's URL to the clipboard.
     — **Delete bookmark**: Remove the bookmark.
     — **Set as homepage**: Assign the bookmarked link as the home page.
   • Touch 🔲 **Menu → List view** to view bookmarks as a list.

4. Touch the **Most visited** tab, the following options are available:
   • Touch a page to reload it.
   • Touch the star next to a page to bookmark it.
   • Touch and hold on a page for these options:
     — **Open**: Launch the web page.
     — **Open in new window**: Launch the web page in a new window.
     — **Add bookmark/Remove from bookmarks**: Bookmark the page, or remove the bookmark for this page.
   • **Share link**: Send the page's URL via Bluetooth, Email, Gmail, Google+, Messaging, Social Hub, or Wi-Fi.
     — **Copy link URL**: Copy the page's URL to the clipboard for pasting.
     — **Remove from history**: Remove the record of this page.
     — **Set as homepage**: Set this page as the default first page when opening Browser.

5. Touch the **History** tab, the following options are available:

- Touch a page to load it.
- Touch the star next to a page to bookmark it.
- To clear the history, touch ▭ **Menu** ➔ **Clear history**.
- Touch and hold on a page for these options:
  - **Open**: Launch the web page.
  - **Open in new window**: Launch the web page in a new window.
  - **Add bookmark/Remove from bookmarks**: Bookmark the page, or remove the bookmark for this page.
  - **Share link**: Send the page's URL via Bluetooth, Email, Gmail, Google+, Messaging, Social Hub, or Wi-Fi.
  - **Copy link URL**: Copy the page's URL to the clipboard to paste in another location.
  - **Remove from history**: Remove the record of this page.
  - **Set as homepage**: Set this page as the default first page when opening Browser.

Copying Fields or Text

Copy information from a web page to the clipboard for pasting.

Copying a hyperlink or URL

1. Navigate to a Home screen panel, then touch ▦ **Applications** ➔ 🌐 **Browser**.
2. Browse to the desired web site.
3. Touch and hold on a hyperlink or URL, then touch ▭ **Menu** for these options:
   - **Bookmark link**: Create a bookmark to the page (without loading it).
   - **Save link**: Save the linked page to Download history.
   - **Share link**: Send the page's URL Bluetooth, Email, Gmail, Google+, Messaging, Social Hub, or Wi-Fi.
   - **Copy link URL**: Save the link's URL to the Browser clipboard.

Browser Menu

While viewing a web page, touch ▭ **Menu** for these options:

• **New window**: Open a new browser window. The previous browser windows remain open in the background (use the Windows option to switch between windows).

• **Windows**: Switch between windows, or open a new window.

• **Browser brightness**: Select brightness (Automatic or manual) of the Browser screen.

• **Refresh**: Update the current page's content from the server.

• **Forward**: Move forward to a previously-viewed page.

• **More**:
  – **Add bookmark**: Create a bookmark for the current page.
  – **Add shortcut to home**: Create a shortcut to home.
  – **Find on page**: Search for content on the current page.
  – **Page info**: View information about the current page, including the URL.
  – **Share page**: Send the current page's URL via Bluetooth, Email, Gmail, Google+, Messaging, Social Hub, or Wi-Fi.
  – **Downloads**: View a list of downloads. While viewing downloads, touch ▭ **Menu** for access to **Sort by size** / **time** commands.
  – **Settings**: Customize the Browser (see *"Browser Settings"*).
  – **Print**: Print the current web page over a Bluetooth connection to a Samsung printer.

Browser Settings

1. Navigate to a Home screen panel, then touch
▦ **Applications** ➔ 🌐 **Browser**.

2. Touch ▭ **Menu** ➔ **More** ➔ **Settings**:

• **Page content settings**:

 – **Default zoom**: Choose a default zoom level for web pages.

 – **Open pages in overview**: When enabled, displays an overview of newly-opened pages.

 – **Text encoding**: Choose a default character set for web pages.

 – **Block pop-up windows**: When enabled, blocks pop-up windows.

 – **Load images**: When enabled, images are automatically loaded when you visit a page. When disabled, images are indicated by a link, which you can touch to download the picture.

 – **Auto-fit pages**: When enabled, the browser automatically sizes web pages to fit your phone's display.

 – **Landscape view only**: When enabled, Browser displays all pages in the wider landscape orientation (rotate your phone counterclockwise to view pages in landscape mode).

 – **Enable JavaScript**: When enabled, Browser will automatically run JavaScript scripts on pages you visit.

 – **Enable plug-ins**: When enabled, Browser will automatically load and run plug-ins on pages you visit.

- **Open in background**: When enabled, new windows open behind the current window.
- **Set home page**: View and set the default first page that displays when you launch Browser.
- **Default storage**: Select where Browser stores files.

• **Privacy settings**:

- **Clear cache**: Delete content and databases stored on the phone.
- **Clear history**: Delete the list of previously-visited pages.
- **Accept cookies**: When enabled, allows Browser to save and read cookie information used by web pages.
- **Clear all cookie data**: Delete cookie information saved to the phone.
- **Remember form data**: When enabled, stores information you enter into forms to make future forms easier.
- **Clear form data**: Deletes saved form information.
- **Enable location**: When enabled, sites you visit can request access to your location.
- **Clear location access**: Clear location access for all web sites.

• **Security settings**:

- **Remember passwords**: When enabled, saves user names and passwords for sites you visit, to make future visits easier.
- **Clear passwords**: Clear all saved user names and passwords.
- **Show security warnings**: When enabled, Browser will warn you if there is a problem with a site's security.

• **Advanced settings**:

- **Select search engine**: Select your default search engine (Google, Yahoo!, or Bing).
- **Website settings**: View and manage settings for individual webs it es.
- **Reset to default**: Clear all browser data and reset all settings to the factory defaults.

Maps

Use Google Maps to find your current location, get directions, and other location-based information.

Note: You must enable location services to use Maps, and some features require Standalone or Google location services. (For more information, refer to *"Location and security"* on page 135.)

You can locate selected friends and share your location with them using Latitude. (For more information, refer to *"Latitude"* on page 107. Also see *"Maps"* on page 92.)

■ Navigate to a Home screen panel, then touch **Applications ➔ Maps**.

Navigating the Map

Zooming

• Double-touch on the screen to zoom in.
• Touch Zoom in or Zoom out.

Scrolling

• Touch and drag on the screen to reposition the map in the display.

Rotating

• With two fingers, touch and hold on the map, then rotate your hand to the right or left.

Touch and Touch and hold

• **Touch and hold** on an area of the map to display pop-up information about the location.

• **Touch** a pop-up for these options:
  – **What's nearby**: Display nearby points of interest.
  – **Search nearby**: Enter search criteria to find nearby points of interest.
  – **Share this place**: Send this location to others using Social Hub, Messaging, Wi-Fi, Bluetooth, Gmail, or Email.
  – **Report a problem with the map**: Send an error report to Google Maps.

Maps Menu

1. Navigate to a Home screen panel, then touch **Applications ➔ Maps**.

2. Locate the top row of the application screen to access additional options:

   • Touch to access the following options:
     – **Map**: Returns you to the Map view.
     – **Places**: Provides access to the places menu where you can quickly locate a business or person, find out more information about a business, see coupons, public responses, and more. Locate and touch one of the listed places (Restaurants, Cafes, Bars, Attractions, or More categories.) A list of places within this category displays.
     – **Navigation**: Get driving, public transport, or walking directions.
     – **Check in**: Select a location to share with others.

– **Latitude**: View your friend's locations and share your location with them.

– **Location history**: Lets you track and display your previous locations.

– **My Places**: Synchronize your starred map items with Google maps.

• **Search Maps**: Search for a place of interest.

• **Layers**: Switch map views:

– **Traffic**: (available only in selected areas) Real-time traffic conditions are displayed over roads as color-coded lines. Each color represents how fast the traffic is moving.

– **Satellite**: Maps uses the same satellite data as Google Earth. Satellite images are not real-time. Google Earth acquires the best imagery available, most of which is approximately one to three years old.

– **Terrain**: combines a topographical view of the area's terrain with the current map location.

– **Transit Lines**: displays the overlapping transit lines on your map.

– **Latitude**: Enable / disable the Latitude app.

– **My Maps**: displays a list of your preferred maps.

– **Bicycling**: displays the overlapping cycling trails on your map.

– **Wikipedia**: displays any Wikipedia markers and info on your map.

• **My location**: Rotate the map 90 degrees and indicate your location with a flashing arrow.

3. While viewing a map, touch ▭ **Menu** for these options:

• **Search**: Enter text criteria to find locations or points of interest.

• **Directions**: Get driving, public transport, or walking directions.

• **Clear Map**: Reset the map after searching or following directions.

• **More**: Access the same options as touching 📍.

• **Settings**:

– **Switch Account**: Select another Google account. (Requires that more than one Google account be set-up on your phone.)

– **Cache Settings**: provides the ability to setup maps that are cached into the phone's memory (while not on a Wi-Fi connection) or to clear the cache of map titles.

– **Location Settings**: Select values for Location reporting and sharing (through the Latitude app) settings.

– **Labs**: a testing ground for experimental features that are not ready to use publicly.

– **Terms, Privacy & Notices**: displays the Terms and Conditions, Privacy Policy, or Legal Notices information. Select the desired information from the pop-up menu.

– **About**: displays general information about Google maps such as Version, Platform, Locale, Total data sent, Total data received, Free memory, etc.

• **Help**: Access online Google Maps help.

Airplane mode

When activated, Airplane mode disables all radio-based functions of your phone.

Tip: You can still place emergency calls with Airplane mode activated.

You can also enable or re-enable Wi-Fi, Bluetooth, and GPS functions with Airplane mode activated.

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1. From the Home screen, touch ▤ **Menu**, then touch **Settings → Wireless and networks**.

2. Touch **Airplane mode** to activate/de-activate Airplane mode. When activated, a check appears in the check box.

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks. Use your phone's Wi-Fi feature to:

• Access the internet for browsing, or to send or receive email.

• Access your corporate network.

• Use hotspots provided by hotels or airports while traveling.

Wi-Fi communication requires access to an existing Wireless Access Point (WAP). WAPs can be Open (unsecured, as with most hotspots), or Secured (requiring you to provide login credentials). Your phone supports the 802.11 b/g/n Wi-Fi protocol.

Turning Wi-Fi On or Off

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for available, in-range WAPs (Wireless Access Points).

Turning Wi-Fi On

1. From the Notifications bar, sweep your finger downward to display the Notification Panel.

2. Touch **Wi-Fi** to turn Wi-Fi On.

Turning Wi-Fi Off

1. From the Notifications bar, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi Off.

Scanning and Connecting to a Wi-Fi Network

When you turn on Wi-Fi, your phone searches for available Wi-Fi network access points (hotspots), then displays them in a pop-up list.

1. From the Notifications bar, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On.
3. When your phone completes a scan, a list of detected hotspots appears in the display.
4. Touch a Wi-Fi hotspot to connect.
   - If the Wi-Fi hotspot is open, you will be automatically connected. (Open hotspots may require to you launch the Browser and agree to a set of network usage rules that display in the Browser window.)
   - If the Wi-Fi network is secured, enter a password at the prompt to connect.

Adding a Wi-Fi Network Manually

1. Touch ⬡ **Home** → ▤ **Menu** → ⚙ **Settings** → **Wireless and networks** → **Wi-Fi settings**.
2. Touch **Wi-Fi** to turn the feature on.
3. Under **Wi-Fi networks**, touch **Add Wi-Fi network**, then enter values in these fields:
   - **Network SSID**: Enter the name of the Wi-Fi Wireless Access Point.
   - **Security**: Select the type of security used by the WAP.

Configuring Wi-Fi Settings

Configure your phone's Wi-Fi settings. (For more information, refer to *"Wi-Fi settings"* on page 119.)

Enabling Wi-Fi Direct

Wi-Fi Direct allows device-to-device Wi-Fi connections so you can transfer large amounts of data.

1. Touch ⬡ **Home** → ▤ **Menu** → ⚙ **Settings** → **Wireless and networks** → **Wi-Fi Direct settings**.
2. Touch **Wi-Fi Direct** to enable Wi-Fi Direct. A green check mark appears in the check box.

Viewing Wi-Fi Direct Status

■ Touch ⬡ **Home** → ▤ **Menu** → ⚙ **Settings** → **Wireless and networks** → **Wi-Fi Direct settings**. The Status field shows the Wi-Fi Direct status.

Connecting to a Wi-Fi Direct device

When you turn on Wi-Fi Direct, your phone scans for nearby available Wi-Fi Direct devices, then displays them.

1. Touch ⌂ **Home** → ▤ **Menu** → ⚙ **Settings** → **Wireless and networks** → **Wi-Fi Direct settings**.

2. Touch **Wi-Fi Direct** to enable Wi-Fi Direct. A green check mark appears in the check box.

3. When your phone completes a scan, select an item from the list to connect.

Sharing Files using Wi-Fi Direct

1. From the **Applications** screen, touch 🖼 **Gallery**.

2. Select a photo, video, or other file type to share.

3. Touch **Send via** → **Wi-Fi**. The Wi-Fi Direct settings screen appears in the display.

4. Select a device to receive the file, then follow the screen prompts to send your file.

Disconnecting Wi-Fi Direct

1. Touch ⌂ **Home** → ▤ **Menu** → ⚙ **Settings** → **Wireless and networks** → **Wi-Fi Direct settings**.

2. Touch **Disconnect Wi-Fi Direct** to disconnect.

Bluetooth

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet.

You don't need to line up the devices to send information with Bluetooth. If the devices are in range, you can exchange information between them, even if they are in different rooms.

Turning Bluetooth On or Off

Turning Bluetooth On

1. From the Home screen, sweep your finger downward to display the Notification Panel.

2. Touch **Bluetooth** to turn Bluetooth on.

Turning Bluetooth Off

1. From the Home screen, sweep your finger downward to display the Notification Panel.

2. Touch **Bluetooth** to turn Bluetooth off.

Pairing with a Bluetooth Device

Search for a Bluetooth device and pair with it, to exchange information between your phone and the device.

1. From the Home screen, touch **☰ Menu**, then touch **Settings → Wireless and networks → Bluetooth settings**. The **Bluetooth settings** screen appears.
2. Touch **Bluetooth** to turn on Bluetooth.
3. Activate the target device's discoverable mode.
4. On your phone, touch **Scan for devices**.
5. From the list of scanned devices, touch the target device. Follow the prompts for automatic pairing with the selected device.

   – or –

   At the prompt, enter the passkey for the target device and touch **OK**.

   Your phone is now paired with the target device, and ready to transfer information via Bluetooth.

Configuring Bluetooth Settings

Configure your phone's Bluetooth settings. (For more information, refer to *"Bluetooth settings"* on page 121.)

Transferring Files to a Memory Card

You can copy files, such as media files, to a Memory Card installed in your phone using the USB data cable.

1. From the **Settings** menu, touch **Wireless and networks → USB utilities**. The USB utilities screen appears showing the **USB mass storage** option.

Note: If USB debugging is enabled, the **Turn USB debugging off?** pop-up displays. **To disable USB debugging, touch OK**. (For more information, refer to *"USB debugging"* on page 139.)

2. Touch **Connect storage to PC**. The **USB utilities** pop-up appears in the display.

Note: If you have USB Tethering enabled, you cannot transfer files to your phone's Memory Card. You must first remove the USB data cable, then touch **OK** to disable **USB Tethering**. (For more information, refer to *"Tethering"* on page 98.)

3. Connect the USB data cable to a computer and to your phone's USB Power/Accessory port. The **USB mass storage** screen appears in the display.
4. Touch **Connect USB storage** to begin transferring files.
5. To end transferring files, touch **Disconnect storage from PC**.

Tethering

When activated, Tethering uses your phone to provide a USB-connected device (such as a personal computer) with access to your Wireless Provider's network.

1. Touch 🏠 **Home** ➔ 📋 **Menu** ➔ ⚙️ **Settings** ➔ **Wireless and networks** ➔ **Tethering and portable hotspot**. The **Tethering and portable hotspot** screen appears.

2. Connect the other device to the phone using the USB Data Cable.

3. Touch **USB tethering** to turn tethering On or Off. When On, a check appears in the check box, and the device connected to your phone can access the Internet through your Wireless Provider's network.

Note: Using your phone as a tethered wireless internet connection consumes battery power and increases your data usage.

Roaming while using your phone as a tethered wireless internet connection will incur extra data charges.

Portable Wi-Fi Hotspot

Use your phone's Portable Wi-Fi Hotspot to share your phone's 3G network connection with a PC or other device through Wi-Fi, using your phone as the portable hotspot.

Note: Portable Wi-Fi Hotspot consumes battery power and uses data service. There is a monthly charge for the Portable Wi-Fi Hotspot feature, and all data used by connected devices will apply to the customer's data allowance. Contact your Wireless Provider for more information.

Configuring Portable Wi-Fi Hotspot Settings

Configure your phone's Portable Wi-Fi Hotspot settings, including your phone's name and password, security, and visibility of your phone's Portable Wi-Fi Hotspot. For more information, refer to *"Portable Wi-Fi Hotspot"* on page 123.

Turning On Portable Wi-Fi Hotspot

Activate your phone's Portable Wi-Fi Hotspot to allow other devices to use your phone's internet connection.

1.   Touch 🏠 **Home** ➔ ☰ **Menu** ➔ ⚙ **Settings** ➔ **Wireless and networks** ➔ **Tethering and portable hotspot** ➔ **Portable Wi-Fi hotspot settings**.

    The **Introduction to portable Wi-Fi hotspot** screen appears.

2.   Read the information about Portable Wi-Fi Hotspot, then touch **OK**. The **Portable Wi-Fi hotspot settings** screen appears.

3.   Touch **Portable Wi-Fi Hotspot** to turn the service on.

4.   Portable Wi-Fi Hotspot consumes battery power. Read the information about battery usage, then touch **Accept** to proceed.

5.   Your phone establishes a connection to the network for the Portable Wi-Fi Hotspot service.

6.   When you are finished using Portable Wi-Fi Hotspot, touch **Portable Wi-Fi Hotspot** to turn the service off.

Connecting a Device via Portable Wi-Fi Hotspot

Use the other device's Wi-Fi control to connect to your phone's Portable Wi-Fi Hotspot.

Tip: In order for other devices to connect to your Portable Wi-Fi Hotspot, you can set your device to allow all devices to connect, or add the device.

1.   Activate Portable Wi-Fi Hotspot on your phone. For more information, refer to *"Turning On Portable Wi-Fi Hotspot"* on page 99.

2.   Activate Wi-Fi on the device, using the device's Wi-Fi control.

3.   On the other device, scan for Wi-Fi hotspots, and select your phone from the list.

Tip: Tip: Your phone's default Name (SSID) and Password are displayed on the screen. (For more information about Portable Wi-Fi Hotspot settings, see *"Portable Wi-Fi Hotspot"* on page 123.)

4.   At the prompt on the other device, enter your phone's Portable Wi-Fi Hotspot password.

VPN

You can use your phone's VPN (Virtual Private Network) feature to connect to VPNs.

Connecting to a VPN

1. From the Home screen, touch ▤ **Menu → Settings → Wireless and networks → VPN settings**.

2. Touch the desired VPN connection in the **VPNs** list.

3. Enter a password at the prompt, then touch **OK**. Your phone completes the VPN connection.

Adding a VPN

To add a VPN to your phone's **VPNs** list, see *"VPN settings"* on page 124.

Mobile networks

You can select whether your phone supports roaming outside your home area in your Wireless Provider's network. (See also *"Mobile networks"* on page 126.)

1. From the Home screen, touch ▤ **Menu**, then touch **Settings → Wireless and networks → Mobile networks → System select**.

2. Select one of the following options:

    • **Home Only**: Restrict your phone to your home network's coverage area. When outside the coverage area, your phone will not roam, and call functions and other wireless features will not be available.

    • **Automatic**: Allow your phone to automatically acquire service based on default settings, using your Wireless Provider's network and the networks of roaming partners.

Section 9: Applications

Applications display on the Applications screens to provide access to your phone's applications.

You can also place shortcuts to applications on the Home screen, for quick access to the application. (For more information, refer to *"Adding Applications to a Home Screen panel"* on page 32.)

Accessing Applications

1. Navigate to a Home screen panel, then touch **Applications**.
2. Sweep your finger right or left to scroll the Applications screens.
3. Touch an application's icon to launch the application.

AllShare

Share your media content with other DLNA certified™ (Digital Living Network Alliance) Devices over Wi-Fi connections.

Note: You must activate Wi-Fi and connect to a Wi-Fi network to use this application. (For more information, refer to *"Wi-Fi"* on page 94.)

With **AllShare**, you can share media files stored on your phone or download media files from other devices for later sharing.

Setting Up AllShare

Before using AllShare, you must setup its parameters.

1. From the **Applications** screen, touch **AllShare**.
2. Touch **Menu → Settings**. The following options are available:

   • **Device name**: Enter or change the name of your phone, then touch **Save**.

   • **Share videos**: When enabled, allows sharing of video stored on your phone.

   • **Share photos**: When enabled, allows sharing of pictures stored on your phone.

   • **Share music**: When enabled, allows sharing of music and songs stored on your phone.

   • **Upload from other devices**: You can set your phone to **Always accept** media file uploads, **Always ask** you for approval, or **Always reject** media file uploads from other devices.

   • **Default memory**: Select the location (**Phone** or **Memory card**) where AllShare will store downloaded media files.

   • **Subtitles**: When enabled, blocks video subtitles from displaying on Samsung devices.

3. Touch ⤺ to return to the previous page.

Connecting with Other Devices

1. From the **Applications** screen, touch **AllShare**.

2. Power on the device you wish to connect with Allshare on your phone.

3. Touch **Remote device**. Your phone begins searching for compatible Wi-Fi devices.

4. Select a device to connect to AllShare on your phone, and follow the prompts to complete the connection.

Selecting Media to Play

1. From the **Applications** screen, touch **AllShare**.

2. Select **Videos**, **Photos**, or **Music**.

3. Select a media file you want to transmit to the playback device.

4. Select a playback device from the on-screen list. If your desired playback device does not appear, touch **Refresh**.

Receiving Media From Another Device

1. From the **Applications** screen, touch **AllShare**.

2. Select a media storage device from the on-screen list. If your desired device does not appear, touch **Refresh**.

3. Select **Videos**, **Photos**, or **Music**.

4. Touch **Menu**, then select a media file you want to download to your phone.

5. Follow the prompts to complete the download.

Browser

Your phone includes a full HTML Browser, to access the internet. For more information about using Browser, see *"Browser"* on page 86.

■ From the **Applications** screen, touch **Browser**.

Calculator

Use your phone's Calculator to perform mathematical calculations. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. The Calculator also keeps a history of recent calculations.

1. From the **Applications** screen, touch **Calculator**.

2. Enter the first number using the on-screen keys.

3. Enter the operation by touching the corresponding function key.

4. Enter the second number.

5. Touch **equal** (=) to view the result.

6. Press **Menu** to view history. A history of past calculations displays.

7. Press ▭ **Menu** > **Clear history** to clear the calculator history.

8. Press ▭ **Menu** > **Text size** and select a text size (Small, Medium, or Large).

Calendar

Record events and appointments to manage your schedule. View the calendar by day, week, or month. You can also create events, and set an alarm as a reminder.

1. From the **Applications** screen, touch ▦ **Calendar**.

2. Touch a tab to choose a calendar view:
   • **Month**: Display the current month, and scroll to other months.
   • **Week**: Display the current week, and scroll to other weeks.
   • **Day**: Display today's schedule, and scroll to other days.
   • **List**: Display events in a chronological list.

Calendar View — Event List
Previous Month — Next Month
Current Day
Events for Selected Day — Day with Event
8:00 AM Leave for Italy
Italy
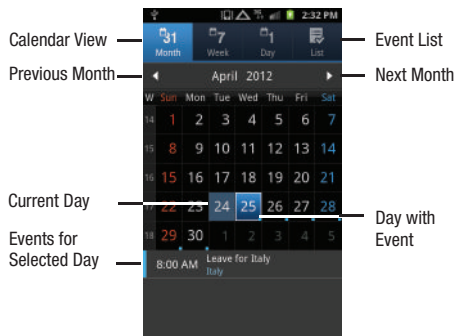
3. Touch ▭ **Menu** for these options:
   • **Create**: Add a new event to the calendar.
   • **Go to**: Display a specific date.
   • **Today**: Display today's events.
   • **Search**: Search for an event by name.
   • **Delete**: Delete an event.
   • **Settings**: Customize the calendar.

Customizing the Calendar

1. From the **Applications** screen, touch [icon] **Calendar**.
2. Press [≡] **Menu**, then touch **Settings** to configure these settings:

View Settings

- **Calendars**: View all your calendars.
- **Default calendar**: Choose an account calendar to synchronize with your phone's Calendar. (For more information, refer to *"Accounts"* on page 40.)
- **Default view**: Set the default view when Calendar opens.
- **Day view**: Choose a view for a day's events. Select a type: Time grid, or Event list.
- **First day of week**: Choose a day to begin each week.
- **Hide declined events**: Enable or disable display of declined events.
- **Hide contact's anniversary events**: Enable or disable display of anniversary events for your Contacts.
- **Lock time zone**: Lock event time based on your current user-selected time zone). Select a time zone from within the Select time zone field.
- **Select time zone**: Choose a time zone.

Notification Settings

- **Set alerts and notifications**: Adjusts the event notification method. Choose from: Alert, Status bar notification, and Off.
- **Vibrate**: Activates this notification option. Selections are: Always, Only in Silent mode, or Never.
- **Select ringtone**: Assigns a ringtone to a calendar event notification.

Sync Settings

- **Calendar sync**: Synchronize calendars from multiple accounts..

Event List

The Event List displays all added events for all dates in the order they occur.

1. From the Calendar, touch the **List** icon.
2. Touch any event to display it.
3. Press [≡] **Menu**, and select one of the following:
   - **Edit**: Change the event name, date, time, location, participants, alarm, alarm details, and description. Touch **Save**.
   - **Delete**: Delete any event. Touch **OK** and the prompt.
   - **Send via**: Send event information using Bluetooth, Email, Messaging, or Wi-Fi.

Sending Events via Bluetooth

Send events as vCalendar files to other Bluetooth devices.

1. From the **Applications** screen, touch [icon] **Calendar**.
2. Touch an event to display details.
3. Touch ▤ **Menu**, then touch **Send via → Bluetooth**.
4. Follow the prompts to select a paired device, or pair with a new device. (For more information, refer to *"Pairing with a Bluetooth Device"* on page 97.)

Sending Events via Email

Send events as vCalendar attachments in Email.

Note: To send Events via email, you must define an email account using the Email application. (For more information, refer to *"Email"* on page 63.)

1. From the **Applications** screen, touch [icon] **Calendar**.
2. Touch an event to display details.
3. Touch ▤ **Menu**, then touch **Send via → Email**.
4. Continue creating the email, as desired. (For more information, refer to *"Composing and Sending Email"* on page 65.)

Camera

Take pictures and record video with your phone's built in Camera-Camcorder. (For more information, refer to *"Camera"* on page 75. Or view, *"Camcorder"* on page 78.)

■ From the **Applications** screen, touch [icon] **Camera**.

Clock

The Clock application includes Alarm clock, World clock, Stopwatch, Timer, and Desk clock features.

■ From the **Applications** screen, touch [icon] **Clock**.

Alarm

Set an alarm to ring at a specific time.

1. From the **Applications** screen, touch [icon] **Clock → Alarm → Create alarm**.
2. Select from the following options:
   • **Alarm repeat**: Sets the repeating status for the alarm. Touch one of the following:
     – **Weekly**: Sets the alarm to sound once very week on the day and time the alarm is set.
     – **Daily**: Sets the alarm to sound all seven days of the week.
     – **Every weekday (Mon-Fri)**: Sets the alarm to sound on all five weekdays.
     – **One-time event**: Sets the alarm to sound only once.

- **Alarm type**: Sets the way the alarm sounds when activated (Melody, Vibration, Vibration and melody, and Briefing).
- **Alarm volume**: Drag the slider to adjust the alarm's volume.
- **Alarm tone**: Sets the sound file played when the alarm is activated. Select Sounds, or go to My files.
- **Snooze**: Set a Duration (3, 5, 10, 15, or 30 Minutes) and Snooze repeat (1, 2, 3, 5, or 10 Times).
- **Smart alarm**: Tracks body movement and calculates the best time for sounding the alarm. Place the phone somewhere on your bed then the phone's movement sensor (also know as accelerometer) is sensitive enough to work from any part of the bed. Set the Duration and the Tone.
- **Name**: Use a specific name for this alarm. The name displays when the alarm activates.

3. Touch **Save** to save the alarm details.

Turning Off an Alarm

■ Touch and sweep the icon to the right.

Setting the Snooze Feature

■ Touch and sweep the icon to the left. Snooze must be set in alarm settings.

Deleting an Alarm

1. From the **Applications** screen, touch ⏲ **Clock → Alarm → ▤ Menu → Delete**.
2. Touch the alarm to delete. A checkmark indicates selection.
3. Touch **Delete**.

Downloads

Manage all of the downloads from Play Store and the Browser.

1. From the **Applications** screen, touch ⬇ **Downloads**. A list of downloaded applications displays.
2. Touch the **Internet downloads** tab to view all the downloads from the Browser.
3. Touch the **Other downloads** tab to view all other downloads.
4. Touch **Sort by size** to view the downloads in order of size.
5. Touch **Sort by date** to view the downloads sorted by date.

Email

Send and receive email using popular email services. (For more information, refer to *"Email"* on page 63.)

■ From the **Applications** screen, touch ◉ **Email**.

Gallery

Use Gallery to view, capture, and manage pictures and videos. (For more information, refer to *"Gallery"* on page 97.)

■ From the **Applications** screen, touch **Gallery**.

Gmail

Gmail is a web-based email service. You configure Gmail when you initially set up the phone. Gmail can automatically synchronize with your

Gmail web account, depending on your synchronization settings. (For more information, refer to *"Gmail"* on page 61.)

■ From the **Applications** screen, touch **Gmail**.

Google+

Google+ makes messaging and sharing with friends easy. Set up Circles of friends, get updates from your Circles, and use Messenger for fast messaging with everyone. Or, use Instant Upload to automatically upload videos and photos to your own private album.

■ From the **Applications** screen, touch **Google+**.
For more information, refer to *"Google+"* on page 67.

Latitude

With Google Latitude, you can see the location of all your friends on a list or on a map. You can also share or hide your location.

You must first set up your phone to use wireless networks to help pinpoint your location. Also, Latitude works best when Wi-Fi is enabled. (For more information, refer to *"Location and security"* on page 135. Or see *"Wi-Fi"* on page 94.)

1. Navigate to a Home screen panel, touch , then touch **Settings** ➔ **Wireless and networks** ➔ **Wi-Fi settings**.

2. Touch **Wi-Fi**. A green check mark appears, indicating the feature is enabled. Your phone begins scanning for Wi-Fi Wireless Access Points (WAPs), or "hot spots", listing the results of the scan under **Wi-Fi networks**.

3. Touch the desired Wi-Fi network listing to connect to it.

4. Log on to your Google account. (For more information, refer to *"Configuring Your Gmail Account"* on page 61.)
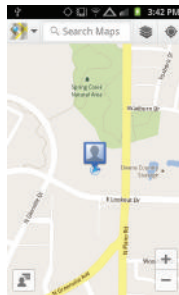
5. Navigate to a Home screen panel, then touch
    ![Applications] **Applications** ➔ ![Latitude] **Latitude**. Your Latitude screen
    appears in the display.

The following options are available:

• **Latitude**:
  – **Map**: Show a map indicating your location. (For more information, refer
    to *"Maps"* on page 109..)
  – **Places**: Find locations of Restaurants, Cafes, Bars, Attractions, and
    More categories.
  – **Navigation**: Display directions to a location from a starting point.
  – **Check in**: Select your exact location from a pop-up list.
  – **Latitude**: Find family and friends.
  – **Location history**: Show your previous locations on a map.
  – **My Places**: allows you to see locations you have marked as a
    favorite such as restaurants, museums, parks, and so forth. Touch
    and hold on a location and when the screen displays with the
    address, touch the star in the upper-right corner. It will be listed in
    your Starred Places.

• **Check in**: Select your exact location from a pop-up list.
• **Add friends**: Select from your Contacts or Add via email address.
• **Refresh friends**: Update available friends' locations.

Additional Latitude Options

■ From your Latitude screen, touch ![menu] to display the
  following additional options:

  • **Map view**: Show a map indicating your location. (For more
    information, refer to *"Maps"* on page 109.)
  • **Location reporting**: Enable or disable Background location
    reporting, Location history, Latitude location sharing, and your
    Check-ins.
  • **Add friends**: Select from your Contacts or Add via email address.
  • **Check in**: Select your exact location from a pop-up list.
  • **Refresh friends**: Update available friends' locations.

Sharing your Location with Friends

1. From your Latitude screen, touch ![friends] to display your
    Latitude friends. At first, only your name is displayed.
    – or –
    From the Maps screen, touch ![friends] to display your Latitude
    friends. At first, only your name is displayed.

2. Touch ![menu], then touch **Add friends**.

3. Touch **Select from Contacts** or **Add via email address**.

4. Touch a Contact or enter an email address, then touch
    Add friends.

5. At the **Send sharing requests** prompt, touch **Yes**.

Your friend will receive an email or text message with your location marked on a map. They will also receive instructions on how to view your location from the web or use Latitude on their phone or device provided it is available. Once they acknowledge your request, their location will display on your phone. They can share their location from their computer, phone, or device.

For more information, go to http://www.google.com/latitude.

Maps

Use Google Maps to find your current location, search for destinations, and get detailed directions. (For more information, refer to *"Maps"* on page 80.)

1. From the **Applications** screen, touch **Maps**.

2. Locate the top row of the application to access additional options:

• **Maps**:
  – **Map**: Return to the map.
  – **Places**: Find locations of Restaurants, Cafes, Bars, Attractions, and More categories.
  – **Navigation**: Display directions to a location from a starting point.
  – **Latitude**: Launch Latitude and find family and friends. (For more information, refer to *"Latitude"* on page 107.)
  – **Location history**: Show your previous locations on a map.

  – **My Places**: allows you to see locations you have marked as a favorite such as restaurants, museums, parks, and so forth. Touch and hold on a location and when the screen displays with the address, touch the star in the upper-right corner. It will be listed in your Starred Places.

• **Layers**: allows you to switch map views:
  – **Traffic**: (available only in selected areas) Real-time traffic conditions are displayed over roads as color-coded lines. Each color represents how fast the traffic is moving.
  – **Satellite**: Maps uses the same satellite data as Google Earth. Satellite images are not real-time. Google Earth acquires the best imagery available, most of which is approximately one to three years old.
  – **Terrain**: combines a topographical view of the area's terrain with the current map location.
  – **Transit Lines**: displays the overlapping transit lines on your map.
  – **Latitude**: allows you to see your friend's locations and share your location with them.
  – **My Maps**: displays a list of your preferred maps.
  – **Bicycling**: displays the overlapping cycling trails on your map.
  – **Wikipedia**: displays any Wikipedia markers and info on your map.

• **My Location**: when touched, the location displays on the map with a blinking blue dot.

3. Touch ▤ to access the following options:

- **Search**: allows you to search for a place of interest.
- **Directions**: Display directions to a location from a starting point.
- **Clear Map**: Remove all markings and layers you have added from the map.
- **More**: Access the same additional options as touching the Maps icon ( ).
- **Settings**:
  - **Switch Account**: Select another Google account to use Maps.
  - **Cache Settings**: Set options to pre-fetch map tiles when not using Wi-Fi, and to clear the cache that holds map tiles.
  - **Labs**: Test experimental Maps features not yet ready for "prime time". These features may change, break, or disappear at any time. Touch a Lab to enable or disable it.
  - **Terms, Privacy & Notices**: Displays the Terms and Conditions, Privacy Policy, or Legal Notices information.
  - **About**: Displays general information about Google Maps, such as Version, Platform, Locale, Total data sent, Total data received, and more.
- **Help**: Access on-line instructions on using Maps.

Navigating the Map

Zooming

- Double-touch on the screen to zoom in.
- Touch Zoom in (+) or Zoom out (-).

Scrolling

- Touch and drag on the screen to reposition the map in the display.

Touch and Touch and hold

- **Touch and hold** on an area of the map to display pop-up information about the location.
- **Touch** an information balloon for these options:
  - **Map**: Move the map's focus to this location.
  - **Directions**: Get driving, public transport, or walking directions.
  - **Call**: Call the number provided in the location information.
  - **Street view**: Get a street-level view of this location (if available).
  - **What's nearby**: Get a list of nearby businesses and points of interest.
  - **Search nearby**: Enter search criteria to find nearby points of interest.
  - **Share this place**: Send the location information via Messaging, Email, Gmail, or Bluetooth.
  - **Report a problem with the map**: Send an error report to Google Maps.

Memo

Create and manage text memos, and send memos via Bluetooth to paired Bluetooth devices.

■ From the **Applications** menu, touch **Memo**.

Note: You can send a memo via Bluetooth. After creating a memo, touch **Menu** ➔ **Send** ➔ **Bluetooth,** then follow the prompts to send the memo to a paired Bluetooth device. To send a saved memo, touch and hold on the Memo to launch Bluetooth. (For more information about using Bluetooth, see *"Bluetooth"* on page 96.)

Messenger

Message a group of friends in one group conversation. Google+ sends an update to your phone when you receive a new conversation in Messenger.

■ From the **Applications** screen, touch **Messenger**. For more information, refer to *"Messenger"* on page 68.

Play Music

Play music files from an optional, installed memory card.

■ From the **Applications** screen, touch **Play Music**. For more information, refer to *"Play Music App"* on page 69.

Music Player

Play music files from an optional, installed memory card. (For more information, refer to *"Music Player"* on page 74.)

■ From the **Applications** screen, touch **Music Player**.

My files

Find, view and manage files stored on an optional installed memory card. If the file is associated with an application on your phone, you can launch the file in the application.

1. From the **Applications** screen, touch **My files**.
2. Touch a folder and scroll down or up until you locate a file.
3. Touch a file to launch it in the associated application (if the file is associated with an application).
4. While browsing files, use these controls:
   • Touch **Up** to go back up to a higher directory.
   • Touch **Home** to go back to the root directory.
   • Touch **Menu** for these options:
   – **Share**: Send or upload the file using AllShare, Bluetooth, Email, Gmail, Google+, Messaging, Photo editor, Picasa, Social Hub, Wi-Fi, or YouTube.
   – **Create folder**: Create a new folder for storing files.
   – **Delete**: Erase selected file(s).
   – **View as**: Display files as a List, as a List and details, or as Thumbnails.

- **List by**: Sort files by Time, Type, Name, or Size.

- **More**: Move, Copy, or Rename files; or change settings for My Files.

Navigation

Google Maps Navigation is an internet-connected, turn-by-turn, GPS navigation system with voice guidance.

- From the **Applications** screen, touch ▲ **Navigation**.
  - To receive better GPS signals, avoid using your device in the following conditions:
    - Inside a building or between buildings
    - In a tunnel or underground passage
    - In poor weather
    - Around high-voltage or electromagnetic fields
    - In a vehicle with tinted windows

Photo editor

Photo Editor lets you adjust basic brightness, contrast, and color of pictures that you take on your phone. You can also apply a wide variety of effects to your photos. (For more information, refer to *"Photo Editor"* on page 99.)

- From the **Applications** screen, touch 🖼 **Photo editor**.

Places

Find places of interest near your Latitude location. (For more information about Latitude, see *"Latitude"* on page 107.)

- From the **Applications** screen, touch 📍 **Places**.

Google Play Books

With Google Play Books, you can find more than 3 million free ebooks and hundred of thousands more to buy in the eBookstore.

- From the **Applications** screen, touch 📚 **Play Books**.

Google Play Music

Use Play Music to play music added to your music file, or music that you copied from the PC. When offline, listen to music copied from your PC. For more information, refer to *"Play Music App"* on page 69.

Google Play Store

Google Play Store provides access to downloadable applications and games to install on your phone. Play Store also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

1. From the **Applications** screen, touch ▶ **Play Store**.
2. If not already logged in with your Google account, touch **Next**.
3. Touch **Sign in** and enter your Google account information.

4. Touch **Accept** to agree to the Play Store™ terms of service.

Downloading a New Google Application

To download a new application, you will need to use your Google account to sign in to Play Store. The Play Store™ home page provides several ways to find applications. The home page features applications and includes a list of item applications by category, a list of games, a link to search, and a link to My apps.

1. From the **Applications** screen, touch ![icon] **Play Store**.
2. Browse through the categories, find an application you're interested in, and touch the name.
3. Read the application descriptions.

Important! If the selected application requires access to data or control of a function on your phone, Play Store displays the information the application will access.

Touch **OK** if you agree to the conditions of the application. Once you touch **OK** on this screen you are responsible for using this application on the phone and the amount of data it uses. Use this feature with caution.

---

4. Touch **Install**.

Note: Use caution with applications which request access to any personal data, functions, or significant amounts of data usage times.

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5. If prompted, follow the on-screen instructions to pay for the application.
6. Check the progress of the current download by opening the Notifications panel.
7. After the item is downloaded and installed on your phone, the content download icon appears in the notification area of the status bar.
8. On the Play Store™ screen, touch ![icon] and then touch **My Apps**, touch the installed application in the list, and then touch **Open**.

Tip: The newly downloaded applications display in the applications list and
are shown in alphabetical order if the View Type is set to Alphabetical grid or Alphabetical list, or at the end of the list if View type is set to Customizable grid.

Note: A data plan is required to use this feature. Charges may apply. Please contact your Wireless Provider for further details.

Polaris Office

Polaris™ Office is a Microsoft Office®-compatible office suite, that provides a central place for managing your documents on and off line.

■ From the **Applications** screen, touch **Polaris Office**.

Portable Wi-Fi hotspot

1. From the **Applications** screen, touch **Wi-Fi hotspot**.

2. Touch the **Portable Wi-Fi hotspot** checkbox. A check mark indicates activation.

3. Touch **Yes** at the prompt to disconnect Wi-Fi to use portable Wi-Fi hotspot.

4. Touch **Accept** at the prompt to acknowledge that all data usage is billed according to your Hotspot data plan.

5. Touch **Configure portable Wi-Fi hotspot**.

6. Enter the Network SSID, select the Security type, enter a Password.

7. Touch **Save** to save the configuration settings.

Search

With Google Search, you can search the Web and the contents of your phone's application list.

■ From the **Applications** screen, touch **Search**. For more information, refer to *"Search Bar"* on page 24.

Settings

Configure your phone to your preferences. (For more information, refer to *"Settings"* on page 118.)

■ From the **Applications** screen, touch **Settings**.

Social Hub

Social Hub offers an integrated interface for accessing your e-mails, instant messages, social network contents, and calendar contents from all major service providers.

To access Social Hub, follow these steps:

1. From the **Applications** screen, touch **Social Hub**. The Social Hub Welcome page describes all of the available features.

2. To setup your Social Hub account, touch **Set up now**.

3. Touch the Social Hub account type that you would like to setup.

4. Read the SNS disclaimer, touch **I accept all the terms above** check box, then touch **Agree** to continue.

5. Touch **Next**.

6. Follow the on-screen instructions for adding an account.

7. From the Social Hub main screen, touch the **Feeds** or **Messages** tabs to see information pertaining to your account.

8. To add another account, touch ▤ **Menu** ➔ **Add account**.

Talk

Use Google Talk to chat with other Google Talk users. (For more information, refer to *"Google Talk"* on page 63.)

■ From the **Applications** screen, touch 💬 **Talk**.

Task

Enter, prioritize, and review task descriptions.

■ From the **Applications** screen, touch 📋 **Task**. (For more information, refer to *"Entering Text"* on page 52.)

Task manager

View and manage active applications.

■ From the **Applications** screen, touch 🥧 **Task manager**.

Video maker

Video Maker lets you custom-make your own videos. You can add themes, music, pictures, and other videos to your video.

1. From the Home screen, touch ▦ **Applications** ➔ 🎬 **Video maker**.

2. Follow the on-screen instructions.

Videos

Play and manage videos stored on an optional installed memory card. (For more information, refer to *"Videos"* on page 81.)

■ From the **Applications** screen, touch ▶️ **Videos**.

Voice command

Voice command is advanced speech recognition software that recognizes your spoken commands to dial phone numbers, create messages, and launch phone features such as Contacts, Calendar, and Music Player.

To use Voice command, speak naturally into your phone, at a distance of 3-12 inches. There is no need to "train" Voice Control, it is designed to recognize natural speech.

1. From the **Applications** screen, touch 🎤 **Voice command**.

2. Read the Samsung Disclaimer then touch **Confirm** to continue.

3. Read the Vlingo Terms of Service then touch **Agree** to continue.

4. Read the information on the **How to use Samsung voice** screen, then touch **Finish**.

5. Swipe left or right to select a Voice command option.
   – or –

   Touch **Tap & Speak** to say what you want to do.

6. Follow the on-screen instructions.

Voice Recorder

Record your voice or other sounds, and share recordings via Bluetooth, Messaging, or Gmail.

■ From the **Applications** screen, touch 🔋 **Voice recorder**.

Voice Search

Voice Search offers voice-activated Google searches.

1. Navigate to a Home screen panel, then touch
   ⊞ **Applications** ➔ 🎤 **Voice Search**.

2. Voice Search uses your location to improve search results and offer other services. Touch **Agree** to allow location-based searches, or **Disagree** to disallow.

3. At the **Speak now** prompt, speak your search criteria slowly and clearly. Google searches for the information and displays results.

Voice talk

With the Voice Talk application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, or playing music.

1. From the **Applications** screen, touch 🎤 **Voice talk**.

2. Read the Samsung Disclaimer then touch **Confirm** to continue.

3. Read the Vlingo® terms of service then touch **Agree** to proceed.

4. Read the information on the **How to use Samsung voice** screen, then touch **Next**.

5. Read the information on the **Wake up Voice talk** screen, then touch **Next**.

6. Read the information on the **What can I say?** screen, then touch **Done**.

7. At the Voice talk screen, touch on an icon for assistance in using Voice command or touch **Touch & Speak** to speak what you would like to do.

8. Follow the on-screen instructions.

YouTube

View and upload YouTube videos, right from your phone. (For more information, refer to *"YouTube"* on page 85.)

■ From the **Applications** screen, touch **YouTube**.

Section 10: Settings

This section explains Settings for customizing your phone.

Accessing Settings

■ Touch ⬆ **Home** ➔ ▤ **Menu**, then touch **Settings**.

– or –

Navigate to a Home screen panel, then touch
⊞ **Applications** ➔ ⚙ **Settings**.

The **Settings** menu displays in the display.

Wireless and networks

Configure and manage your phone's wireless connections. For information on using Wi-Fi, see *"Wi-Fi"* on page 94.

Airplane mode

Activating Airplane Mode disables all of your phone's wireless functions, preventing you from making or receive calls (other than Emergency Calls, see *"Dialing Emergency Numbers"* on page 34) or messages. While in Airplane Mode, you can use other features of your phone, such as playing music, watching videos, or other applications.

Tip: While in Airplane Mode, you can activate or re-activate Wi-Fi and Bluetooth connections.

1. From the **Settings** menu, touch **Wireless and networks** ➔ **Airplane mode**.

2. Touch **OK** at the prompt to activate Airplane mode.

Wi-Fi Settings

Your phone supports Wi-Fi 802.11 b/g/n.

Turning Wi-Fi On or Off

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for available, in-range Wireless Access Points (WAPs).

1. From the **Settings** menu, touch **Wireless and networks** ➔ **Wi-Fi settings**.

2. Touch **Wi-Fi** to turn Wi-Fi On or Off. When on, a check displays in the check box.

Wi-Fi settings

Set up and manage wireless access points.

1. From the **Settings** menu, touch **Wireless and networks ➔ Wi-Fi settings**. The following settings are available:
   • **Wi-Fi**: Touch to enable your phone's Wi-Fi service.
   • **Network notification**: When enabled, notifies you when an open Wi-Fi network is available.
   • **WPS button connection**: Configure new wireless networks automatically.
2. Select from the following options:
   • Touch a Wi-Fi network to **Connect** to, **Disconnect** from, or **Forget** the network.
   • **Add Wi-Fi network**: Manually add a new Wi-Fi connection.
3. Touch ☰ **Menu**. The following options are available:
   • **Scan**: Touch to search for available Wi-Fi access points. Search results are listed in **Wi-Fi networks**.
   • **Advanced**: See *"Advanced Wi-Fi settings"* on page 119.

Advanced Wi-Fi settings

■ From the **Settings** menu, touch **Wireless and networks ➔ Wi-Fi settings ➔ Advanced**.
   • **Wi-Fi sleep policy**: Specify when to switch from Wi-Fi to mobile data for data communications. Touch to choose from **When screen turns off**, **Never when plugged in**, or **Never**.
   • **MAC address**: View your phone's MAC address, needed for connecting to some secured networks (not configurable).
   • **Proxy**: Touch to enter a proxy number.
   • **Port**: Touch to enter a port number.
   • **IP address**: Shows the Internet Protocol address assigned to this device.
   • **IP** (Internet Protocol) **settings**:
     – **Use static IP**: Touch to use a static IP address. When enabled, a check mark displays in the check box.
     – **IP address**: When using a static IP, enter the static IP address.
     – **Gateway**: When using a static IP, enter the Gateway.
     – **Netmask**: When using a static IP, enter the Netmask.
     – **DNS 1**: When using a static IP, enter the DNS 1 value.
     – **DNS 2**: When using a static IP, enter the DNS 2 value.

Wi-Fi Direct allows device-to-device Wi-Fi connections so you can transfer large amounts of data.

Note: For information on using Wi-Fi Direct, For more information, refer to *"Enabling Wi-Fi Direct"* on page 95.

1. Touch **Home** → **Menu** → **Settings** → **Wireless and networks** → **Wi-Fi Direct settings**.

   A **Search for device** prompt pops-up.

Note: If you do not want this prompt to appear each time you access Wi-Fi Direct settings, touch **Do not show again**.

2. Touch **OK**.

   The following options are available on the **Wi-Fi Direct settings** screen:

   • **Wi-Fi Direct**: Touch to enable/disable Wi-Fi Direct.
   • **Device name**: Touch to change or enter a device name.
   • **Status**: Shows the current status of your phone's Wi-Fi Direct interface.
   • **Disconnect Wi-Fi- Direct**: Disconnect the current connection.

   • **Wi-Fi Direct devices**: Lists the available devices that can accept a Wi-Fi Direct connection.

3. To scan for Wi-Fi Direct devices, touch **Menu** → **Scan**.

Bluetooth

Your phone supports Bluetooth® 3.0 + EDR.

Bluetooth profiles

Bluetooth profiles are specifications for services supported by individual devices. Profiles improve the ability of different devices to work together. Your phone supports these Bluetooth profiles:

• **Headset**: HSP v1.2 profile supports use of a compatible Bluetooth headset for mono voice.
• **Handsfree**: HFP v1.5 profile supports Bluetooth headsets and may also support other Bluetooth devices with speakerphone capabilities.
• **Stereo**: A2DP v1.2 and AVRCP v1.3 profiles support delivery of stereo audio to a compatible Bluetooth device.
• **Phonebook Access**: PBAP v1.0 profile allows sharing of multiple name card and phonebook entries with a compatible Bluetooth device.
• **Object Push**: OPP v1.1 profile allows sending and receiving of contact name cards (vCard 2.1) and calendar events (vCalendar) between devices.
• **Message Access**: MAP (SMS) profile provides a car access to a mobile phone's text messages using the car's display or audio system.

• **Human Interface Device**: HID profile provides support for Bluetooth devices such as keyboards and pointing and gaming devices.

Note: This device does not support all Bluetooth profiles. For vehicle/accessory compatibility, contact your Wireless Provider.

Turning Bluetooth On or Off

Turn your device's Bluetooth service On or Off. For more information about using Bluetooth to exchange information with other Bluetooth devices, see *"Bluetooth"* on page 96.

■ From the **Settings** menu, touch **Wireless and networks** ➔ **Bluetooth settings** ➔ **Bluetooth** to turn Bluetooth On or Off. When On, a check displays in the check box.

Bluetooth settings

Use Bluetooth settings to manage Bluetooth connections, set your device's name, and control your device's visibility to other devices.

Note: Bluetooth must be turned On to access some settings.

1. From the **Settings** menu, touch **Wireless and networks** ➔ **Bluetooth settings**.

2. Touch a setting to configure Bluetooth:
  • **Bluetooth**: Touch to turn Bluetooth On or Off. When On, a check displays in the check box.
  • **Device name**: Your device's default name displays on screen. Touch to change the device name. Available when Bluetooth is turned On.
  • **Visible**: Control your phone's discoverability to other devices' Bluetooth searches. Touch to turn On or Off. Available when Bluetooth is turned On.
  • **Visible time-out**: Controls how long the device will be discoverable.
  • **Scan for devices**: Touch to scan for nearby discoverable devices. After searching, touch a device to pair with it. For more information, see *"Pairing with a Bluetooth Device"* on page 97.

To change your Bluetooth name:

1. Verify Bluetooth is active.

2. From the Bluetooth settings page, touch **Device name**.

3. Enter a new name.

4. Touch **OK** to complete the rename process.

To set visibility:

1. Verify your Bluetooth is active.

2. From the Bluetooth settings page, touch **Visible**.

   Making your device visible allows other devices to pair and communicate.

Note: Your device visibility is based on the time set within the Visible time-out field (2 Minutes, 5 Minutes, 1 Hour, or Never). This value displays as a countdown within this **Visable time-out** field.

To scan for Bluetooth devices:

1. Verify Bluetooth is active.

2. From the Bluetooth settings page, touch **Scan for devices** to search for visible external Bluetooth-compatible devices such as headsets, devices, printers, and computers.

USB utilities

Use USB utilities to select a communication mode for your phones USB Power-Accessory port. (For more information, refer to *"Side Views"* on page 19.)

1. From the **Settings** menu, touch **Wireless and networks** ➔ **USB utilities**. The USB utilities screen displays showing the **USB mass storage** option.

2. Touch **Connect storage to PC**. The **USB utilities** pop-up displays in the display.

3. Connect the USB data cable to a computer and to your phone's USB Power/Accessory port. The **USB mass storage** screen displays in the display.

4. To begin transferring files, touch **Connect USB storage**.

   To end files transfer, touch **Disconnect storage from PC**.

Tethering and portable hotspot
Tethering

Use Tethering to share your phone's 3G and/or Wi-Fi data connections with another device (such as a computer) connected to your phone with the USB Data Cable.

1. From the **Settings** menu, touch **Wireless and network** ➔ **Tethering and portable hotspot**.

2. Use the USB Data Cable to connect the other device to your phone.

3. Touch **USB tethering** to turn tethering On or Off. When On, a check displays in the check box.

Note: Using your phone as a tethered wireless data connection consumes battery power and increases your data usage. Roaming while using your phone as a tethered wireless data connection will incur extra data charges.

Portable Wi-Fi Hotspot

Use Portable Wi-Fi Hotspot to share your phone's 3G data network with up to 5 PCs or other devices through Wi-Fi.

Note: To use Portable Wi-Fi Hotspot, you need the Portable Wi-Fi Hotspot feature from your Wireless Provider. Contact your Wireless Provider for more information.

Portable Wi-Fi Hotspot consumes battery power and uses data service. While the Portable Wi-Fi Hotspot is active, your phone's applications will use the Portable Wi-Fi Hotspot data feature allowance.

Portable Wi-Fi Hotspot On or Off

1. Touch ⌂ **Home →** ▤ **Menu →** ⚙ **Settings → Wireless and networks → Tethering and portable hotspot → Portable Wi-Fi hotspot settings**.

   The **Introduction to portable Wi-Fi hotspot** screen displays.

2. Read the information about Portable Wi-Fi Hotspot, then touch **OK**. The **Portable Wi-Fi hotspot settings** screen displays.

3. Touch **Portable Wi-Fi Hotspot** to turn the service on. You are prompted to disable Wi-Fi.

Note: While Wireless Hotspot or DUN Tethering is active, all data usage is billed according to your Wireless Hotspot data plan.

4. Touch **Accept** to confirm accept the terms of the pop-up message.

5. Your phone establishes a connection to the network for the Portable Wi-Fi Hotspot service.

6. When you are finished using Portable Wi-Fi Hotspot, touch **Portable Wi-Fi Hotspot** to turn the service off.

Note: Using your phone as a Portable Wi-Fi Hotspot consumes battery power and increases your data usage. Roaming while using your phone as a Portable Wi-Fi Hotspot will incur extra data charges.

Portable Wi-Fi Hotspot Settings

1. Touch ⬠ **Home** ➔ ▭ **Menu** ➔ 🔘 **Settings** ➔ **Wireless and networks** ➔ **Tethering and portable hotspot** ➔ **Portable Wi-Fi hotspot settings**.

2. Touch **Configure portable Wi-Fi hotspot** to setup your Portable Wi-Fi Hotspot:

Note: The first time you touch **Configure portable Wi-Fi hotspot**, you are prompted to confirm that you want to setup your Portable Wi-Fi Hotspot. Touch **Yes** to continue.

- **Network SSID** (Name): View and edit your phone's name, used by other devices when connecting to your Portable Wi-Fi Hotspot.
- **Security**: Choose a security level (Open or WPA2 PSK).
- **Password**: Touch to require a password to access your phone as a hotspot, and set a password.
- **Show password**: Touch to enable display of your password in the Password field. When disabled, the password is not shown.

Tip: By default, your phone's Portable Wi-Fi Hotspot password is your phone number.

Note: Using your phone as a Portable Wi-Fi Hotspot consumes battery power and increases your data usage. Roaming while using your phone as a Portable Wi-Fi Hotspot will incur extra data charges.

VPN settings

Set up and manage Virtual Private Networks (VPNs). For more information about using VPNs, see *"VPN"* on page 100.

Adding a VPN

Before you add a VPN, you should contact the network support personnel for the VPN to determine which VPN protocol to use (PPTP, L2TP, L2TP/IPSec PSK, or L2TP/IPSec CRT) and the correct setting values for that protocol.

1. From the **Settings** menu, touch **Wireless & network** ➔ **VPN settings**.

2. Touch **Add VPN** to set up a connection to a VPN.

3. Touch one of the following options:
   - **Add PPTP VPN**: Set up a connection to a VPN with Point-to-Point tunneling protocol.
   - **Add L2TP VPN**: Set up a connection to a VPN with Layer 2 tunneling protocol.

• **Add L2TP/IPSec PSK VPN**: Set up a connection to a VPN with pre-shared key-based Layer 2/IPsec tunneling protocol.

• **Add L2TP/IPSec CRT VPN**: Set up a connection to a VPN with Certificate-based Layer 2/IPsec tunneling protocol.

To establish a PPTP (Point-to-Point Tunneling Protocol) connection, enter or select values for the following settings:

1. VPN name (a name for this connection).
2. Set VPN server.
3. Enable Encryption.
4. DNS search domains.

To establish a L2TP (Layer 2 Tunneling Protocol) connection, enter or select values for the following settings:

1. VPN name (a name for this connection).
2. Set VPN server.
3. Enable L2TP secret.
4. Set L2TP secret.
5. DNS search domains.

To establish a L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec) connection, enter or select values for the following settings:

1. VPN name (a name for this connection).
2. Set VPN server.
3. Set IPSec pre-shared key.

4. Enable L2TP secret.
5. Set L2TP secret.
6. DNS search domains.

To establish a L2TP/IPSec CRT (Certificate based L2TP/IPSec) connection, enter or select values for the following settings:

1. VPN name.
2. Set VPN server.
3. Enable L2TP secret.
4. Set L2TP secret.
5. Set user certificate.

Note: A user certificate must be installed to use this setting.

6. Set CA certificate.

Note: A CA certificate must be installed to use this setting.

7. DNS search domains.

Mobile networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

■ From the **Settings** menu, touch **Wireless & network → Mobile networks**.

The following options display:

Use Packet Data

To activate access to your Wireless Provider's data network (making it possible to use such applications such as Browser, Email, and YouTube), this option must be enabled. It is enabled by default.

■ Touch **Use packet data** to create a check mark and activate the feature.

Data Roaming

Data roaming lets you connect to your wireless provider's partner networks and access data services when you are out of your Wireless Providers area of coverage.

■ Touch **Data roaming** to create a check mark and activate the feature.

System selection

You can select whether your phone supports roaming outside your home area in your Wireless Provider's network.

1. From the **Settings** menu, touch **Wireless and networks → Mobile networks → System select**.
2. Select one of the following options:
   - **Home Only**: Restrict your phone to your home network's coverage area. When outside the coverage area, your phone will not roam, and call functions and other wireless features will not be available.
   - **Automatic**: Allow your phone to automatically acquire service based on default settings, using your Wireless Provider's network and the networks of roaming partners.

Call settings

Set reject messages

Create messages to use when rejecting incoming calls. (For more information, refer to *"Sending Calls to Voicemail"* on page 36.)

1. From the **Settings** menu, touch **Call settings → Set reject messages**.
2. Select a precomposed message or touch **Create** to enter a new reject message.
3. Enter the message text, then touch **Save**.

Note: To erase messages, touch ▤ **Menu**, then touch **Delete**.

North American dialing

Lets you save key touches when entering international phone numbers.

■ From the **Settings** menu, touch **Call settings ➔ North American dialing** to enable it. A check mark displays in the check box.

(For information on dialing international numbers, see *"Dialing International Numbers"* on page 36.)

Note: Disabling North American dialing lets you use International dialing to change the stored International dialing country code.

International dialing

International dialing lets you enter or change the stored international call code (011) used to shorten dialing of international numbers.

1. From the **Settings** menu, touch **Call settings ➔ North American dialing** to disable it and enable **International dialing**.

2. Touch **International dialing** to enter or change the stored international call code.

(For information on dialing international numbers, see *"Dialing International Numbers"* on page 36.)

View call timer

View your phone's call time counters.

1. From the **Settings** menu, touch **Call settings ➔ View call timer**. The Last call, Outgoing Calls, Incoming Calls, Roaming Calls, All calls, Last Reset, and Lifetime Calls timers appear.

2. To reset all timers except lifetime Calls, touch ▤ **Menu ➔ Reset**.

Auto retry

When enabled, your phone will automatically re-attempt a call when it encounters a network busy signal.

■ From the **Settings** menu, touch **Call settings ➔ Auto retry** to enable or disable automatic call retry. When enabled, a check mark displays in the check box.

TTY mode

When enabled, TTY Mode allows your phone to work with a TTY device attached to the Headset Jack. Before using your phone with a TTY device, you'll need to enable TTY Mode.

1. From the **Settings** menu, touch **Call settings ➜ TTY mode**.
2. Touch **TTY mode off**, or **Full TTY**, **TTY HCO** (TTY + Hear), or **TTY VCO** (TTY + Talk).

DTMF tones

Set the length of DTMF (Dual Tone Multiple Frequency) tones that your phone sends. DTMF tones are used as input by some automated call systems.

1. From the **Settings** menu, touch **Call settings ➜ DTMF tones**.
2. Touch **Normal** or **Long**.

Call Restrictions

Call Restrictions lets you limit calls made with and to you phone

1. From the **Settings** menu, touch **Call settings ➜ Call Restrictions**.
2. Touch **Incoming** to choose to **Allow All** Incoming calls, **Allow Contacts** Incoming calls only, or to **Allow None**.
3. Touch **Outgoing** to choose to **Allow All** Outgoing calls, **Allow Contacts** Outgoing calls only, or to **Allow None**.

Voice privacy

When enabled, enhanced privacy encrypts your voice calls.

1. From the **Settings** menu, touch **Call settings**.
2. Touch **Voice privacy** to enable or disable enhanced privacy. When enabled, a check mark displays in the check box.

Auto Answer

When enabled Auto Answer lets you set your phone to automatically answer calls when you receive them or after a few seconds delay.

1. From the **Settings** menu, touch **Call settings ➜ Auto Answer**.
2. Select **Off**, **After 1 Second**, **After 3 Second**, or **After 5 Second**.

Emergency Number

Emergency Numbers lets you set up to 3 numbers that your phone will be able to call with your phone in Airplane Mode or locked. (For more information, refer to *"Dialing Emergency Numbers"* on page 34.)

Note: **911** is preset as one of the Emergence numbers.

1. From the **Settings** menu, touch **Call settings ➜ Emergency Number**.

2. Touch one of the emergency numbers to change it or enter a new value.

3. To save your changes, touch **Save**.

Sound settings

General

Silent mode

Temporarily silence all the sounds your phone makes except for media playback and alarms.

■ From the **Settings** menu, touch **Sound settings ➔ Silent mode** to enable or disable silent mode. When enabled, a check mark displays in the check box.

Vibration

When enabled, your phone vibrates to alert you to incoming calls, as well as playing the call ringtone.

1. From the **Settings** menu, touch **Sound settings ➔ Vibration**.

2. Select **Always**, **Never**, **Only in silent mode**, or **Only when not in silent mode**.

Note: The Phone vibrate setting is independent of other call sounds settings. For example, if you have Silent mode enabled with Phone vibrate, your phone won't play a ringtone, but will vibrate for an incoming call.

Volume

Adjust the volume levels for incoming call and notification ringtones.

Note: You can also adjust **Ringer volume** from the Home screen by pressing the **Volume Key**.

1. From the **Settings** menu, touch **Sound settings ➔ Volume**.

2. Touch and drag the following sliders to adjust the associated volume settings:
   • **Ringtone**: Sets incoming calls ringtone volume.
   • **Media**: Sets media playback volume.
   • **System**: Sets handset system volume.
   • **Notification**: Sets notification alert tone volume.

3. Touch **OK** to save your setting(s).

Incoming calls

Phone ringtone

Choose a default ringtone for all incoming calls.

Tip: You can also set songs as ringtones for all calls, or for a selected contact. (For more information, see *"Setting a song as a ringtone"* on page 75.)

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1. From the **Settings** menu, touch **Sound settings ➔ Phone ringtone**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

Notifications

Notification ringtone

Select a default ringtone for message, alarm, and other notifications.

Tip: You can also set songs as alarm ringtones. (For more information, see *"Setting a song as a ringtone"* on page 75.)

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1. From the **Settings** menu, touch **Sound settings ➔ Notification ringtone**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

Feedback

Audible touch tones

When enabled, tones play for when you dial numbers on the Phone Dialer.

■ From the **Settings** menu, touch **Sound settings ➔ Audible touch tones** to enable or disable tones. When enabled, a check mark displays in the check box.

Audible selection

When enabled, tones play when you touch the screen for selections (other than the Phone Dialer).

■ From the **Settings** menu, touch **Sound settings ➔ Audible selection** to enable or disable tones. When enabled, a check mark displays in the check box.

Screen lock sounds

When enabled, tones play when you lock or unlock the screen.

■ From the **Settings** menu, touch **Sound settings ➔ Screen lock sounds** to enable or disable tones. When enabled, a check mark displays in the check box.

Haptic feedback

When enabled, the phone vibrates to indicate screen touches and other interactions.

■ From the **Settings** menu, touch **Sound settings ➔ Haptic feedback** to enable or disable vibration.

Vibration intensity

When active, you can adjust the intensity of phone vibrations in response to Incoming calls, Notifications, and screen touches.

1. From the **Settings** menu, touch **Sound settings ➔ Vibration intensity**.

2. Touch and drag any of the following sliders to set **Vibration intensity**.
   • **Incoming call**
   • **Notification**
   • **Haptic feedback**

3. Touch **OK** to save your setting.

Emergency tone

When enabled (the default setting) and during an Emergency (911) Call, the phone plays a tone that emergency personnel can use to locate your phone.

Caution! When you are endangered by intruders, you should disable **Emergency tone** before placing an Emergency Call.

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1. From the **Settings** menu, touch **Sound settings ➔ Emergency tone**.

2. Select **Off**, **Alert**, or **Vibrate**.

Display settings

Screen display

Font style

Select the font used to display text in screens.

1. From the **Settings** menu, touch **Display settings ➔ Screen display ➔ Font style**.

2. Touch a font to select it. You are prompted to verify your selection.

3. Touch **Get fonts online** to download additional fonts.

Home screen — Wallpaper

Select the image that displays in the background of the home screen panels.

1. From the **Settings** menu, touch **Display settings ➔ Screen display**.

2. Under **Home screen**, touch **Wallpaper**. (For more information, refer to *"Changing the Wallpaper on a Home Screen panel"* on page 31.)

Lock screen — Wallpaper

Select the image that displays in the background of the Lock screen. (For more information, refer to *"Unlocking Your Phone"* on page 13.)

1. From the **Settings** menu, touch **Display settings ➔ Screen display**.

2. Under **Lock screen**, touch **Wallpaper**.

3. Choose a source for images:

   • **Gallery**: Access the Gallery to choose a picture from an optional installed memory card. Touch a picture to select it, then use the crop tool to resize the picture, if desired. Touch **Save** to save the picture as wallpaper.

   • **Wallpaper gallery**: Choose from pre-loaded wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.

Lock screen — Clock position

Choose where the clock-calendar information displays in the Lock screen.

1. From the **Settings** menu, touch **Display settings ➔ Screen display**.

2. Under **Lock screen**, touch **Clock position**.

3. Select **Top**, **Middle**, or **Bottom**.

Brightness

Set the default screen brightness.

1. From the **Settings** menu, touch **Display settings ➔ Brightness**.

2. Touch **Automatic brightness** to enable or disable automatic screen brightness adjustment to ambient light levels. When enabled, a check mark displays in the box.

3. With **Automatic brightness** disabled, touch and drag the slider to set the brightness.

4. Touch **OK** to save the setting.

Screen mode

Set the screen mode.

1. From the **Settings** screen, touch **Display settings ➔ Screen mode**.

2. Touch **Dynamic**, **Standard**, or **Movie** then touch **OK**.

Auto-rotate screen

Enable or disable automatic rotation of the screen when you turn the phone clockwise or counterclockwise.

1. From the **Settings** menu, touch **Display settings**.
2. Touch **Auto-rotate screen** to enable or disable automatic screen orientation. When enabled, a check displays in the box.

Animation

Set the level of animations for transitions from one window to another.

1. From the **Settings** menu, touch **Display settings ➔ Animation**.
2. Touch **No animations**, **Some animations**, or **All animations**.

Screen timeout

Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).

1. From the **Settings** menu, touch **Display settings ➔ Screen timeout**.
2. Touch a setting (**15 seconds** / **30 seconds** / **1 minute** / **2 minutes** / **10 minutes**) to select it.

Touch key light duration

Set the length of delay between the last screen touch and the automatic Command key light timeout.

1. From the **Settings** menu, touch **Display settings ➔ Touch key light duration**.
2. Touch a setting (**1.5 seconds** / **6 seconds** / **Always off** / **Always on**) to select it.

Auto adjust screen power

When enabled, your phone will automatically analyze the screen and adjust the brightness to conserve battery power.

1. From the **Settings** menu, touch **Display settings**.
2. Touch **Auto adjust screen power** to enable or disable the mode. When enabled, a check displays in the check box.

Notification flash

When enabled, your phone will flash the status LED in the upper right hand corner of the phone face for new notifications.

1. From the **Settings** menu, touch **Display settings**.
2. Touch **Notification flash** to enable (flash) or disable (steadily light) the status LED when a new notification occurs.

Gyroscope calibration

When activated, your phone calibrates its internal accelerometer.

1. From the **Settings** menu, touch **Display settings ➔ Gyroscope calibration**.
2. Place your phone on a level surface, table or shelf, and touch **Calibrate**.

Power saving mode

When enabled, Power saving mode extends available usage time of your phone by activating the Power saving mode settings when the battery charge drops to a level you select.

Use Power saving mode

Enable or disable Power saving mode.

1. From the **Settings** menu, touch **Power saving mode**.
2. Touch **Use Power saving mode** to enable or disable Power saving mode. When enabled, the check mark in the box to the right lights.

Power saving on at

Select at what level of battery charge your phone enters Power saving mode.

1. From the **Settings** menu, touch **Power saving mode ➔ Power saving on at**. The following options are available:
    *   **10% battery power**

*   **30% battery power**
*   **50% battery power**
*   **70% battery power**

2. Select the desired battery power percentage.

Power saving mode settings

Choose which actions your phone will take when battery power drops to the percentage you set with **Power saving on at**.

1. From the **Settings** menu, touch **Power saving mode**. The following options are available:
    *   **Turn off Wi-Fi**: Disables Wi-Fi when battery power drops.
    *   **Turn off Bluetooth**: Disables Bluetooth when battery power drops.
    *   **Turn off GPS**: Disables GPS reception when battery power drops.
    *   **Turn off Sync**: Disables Sync function when battery power drops.
    *   **Brightness**: Adjusts screen brightness to the desired level when battery power drops.
    *   **Brightness**: Choose the screen brightness level used when battery power drops.
    *   **Screen timeout**: Choose how long the screen remains at the Brightness level before turning off.

2. Touch or select values for the desired Power saving mode options.

Power saving tips

■ From the **Settings** menu, touch **Power saving mode** ➔ **Power saving tips** for additional information on how to select Power saving mode settings.

Location and security

My location

Use Wireless networks

When enabled, your phone uses the wireless network's triangulation functions to determine your location.

■ From the **Settings** menu, touch **Location and security** ➔ **Use wireless networks** to enable or disable your phone using wireless network location services to collect location data anonymously.

Use GPS satellites

Enable or disable location service from standalone GPS services.

Note: Standalone GPS location services must be enabled to use some applications.

Important! By selecting **Use GPS satellites**, you are allowing access to all location information by any third party through web access or any software or peripheral components you choose to install, download, add, or attach to the device or any other means. Enabling this functionality could pose certain risks to users of this device.

■ From the **Settings** menu, touch **Location and security** ➔ **Use GPS satellites** to enable or disable standalone GPS services. When enabled, a check mark displays in the check box.

• To receive better GPS signals, avoid using your device in the following conditions:

– Inside a building or between buildings

– In a tunnel or underground passage

– In poor weather

– Around high-voltage or electromagnetic fields

– In a vehicle with tinted windows

Screen unlock settings

The default lock screen prevents accidental call dialing or activation of features or applications.

To protect your phone from unauthorized use, use a personal screen unlock pattern, a Personal Identification Number (PIN), or a password.

For more information about using the lock and unlock features of your phone, see *"Securing Your Phone"* on page 15.

Set unlock pattern/Change unlock pattern

A screen unlock pattern is a touch gesture you create and use to unlock your phone.

1. From the **Settings** menu, touch **Location and security** ➔ **Set screen lock** or **Change screen lock**.
2. Touch **Pattern**.
3. Follow the prompts to create or change your screen unlock pattern.

Set unlock pattern/Change unlock PIN

A screen unlock PIN is a Personal Identification Number you enter and use to unlock your phone.

1. From the **Settings** menu, touch **Location and security** ➔ **Set screen lock** or **Change screen lock**.
2. Touch **PIN**.

3. Follow the prompts to enter or change your screen unlock PIN.

Set unlock Password/Change unlock Password

A screen unlock Password is a word or series of 4 or more characters that you can store and then use to unlock your phone.

1. From the **Settings** menu, touch **Location and security** ➔ **Set screen lock** or **Change screen lock**.
2. Touch **Password**. A QWERTY keypad displays on the screen.
3. Follow the prompts to create or change your screen unlock Password.

Disable USB debugging mode

This option disables USB debugging while the screen is locked.

■ From the **Settings** menu, touch **Location and security** ➔ **Disable USB debugging mode**. A highlighted check mark indicates this option is active.

Passwords

Visible passwords

When enabled, password characters will display briefly as you touch them while entering passwords.

■ From the **Settings** menu, touch **Location and security** ➔ **Visible passwords** to enable or disable brief displays of password characters. When enabled, a check mark displays in the check box.

Device administration

Add or remove device administrators.

Select device administrators

■ From the **Settings** menu, touch **Location and security** ➔ **Select device administrators** to view a list of available device administrators.

Credential storage

Use secure credentials

You can install credentials from an optional installed memory card, and use the Credential storage settings to allow applications to access the secure certificates and other credentials.

Note: You must have installed encrypted certificates from a microSD memory card to use this feature.

■ From the **Settings** menu, touch **Location and security** ➔ **Use secure credentials** to enable or disable. When enabled, a check mark displays in the check box.

Install from USB Storage

Install encrypted certificates from a storage device, such as a PC, with the USB cable.

1. From the **Settings** screen, touch **Location and security**.
2. Touch **Install from USB storage**, then choose a certificate and follow the prompts to install.

Set password

Set or change a password to protect credentials.

■ From the **Settings** menu, touch **Location and security** ➔ **Set password**, then follow the prompts.

Clear storage

Clear stored credentials and reset the password.

Note: This setting only displays if you have installed encrypted certificates.

■ From the **Settings** menu, touch **Location and security** ➔ **Clear storage** to clear stored credentials and reset the password.

Applications

You can download and install applications from Play Store™, or create applications using the Android SDK (Software Development Kit) and install them on your phone. Use Applications settings to manage applications on your phone.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Unknown sources

When enabled, allows installation of applications from sources other than the Play Store™.

■ From the **Settings** menu, touch **Applications** ➔ **Unknown sources** to enable or disable the setting. When enabled, a check mark displays in the check box.

Manage applications

Manage and remove applications from your phone.

1. From the **Settings** menu, touch **Applications** ➔ **Manage applications**.
2. Touch an application to view and update information about the application, including Storage (memory) usage, default settings, and Permissions.
3. Touch ⬑ to return to **Applications** settings.

Running services

View and control services running on your phone.

Warning! Not all services can be stopped, and stopping services may have undesirable consequences on the application or Android System.

1. From the **Settings** menu, touch **Applications** ➔ **Running services**.
2. To stop a service, touch the service, then touch **Stop** at the confirmation prompt.

Storage usage

View lists of applications and the amount of memory used by each.

1. From the **Settings** menu, touch **Applications ➔ Storage usage**. The following lists are available:
   • **Downloaded**: All applications that you have downloaded and installed on your phone.
   • **All**: All applications installed on your phone.
   • **On SD card**: All applications installed on the microSD memory card.
   • **Running**: All applications currently running in phone memory.
2. Touch the tab for the list you want to view.
3. Touch 🔲 **Menu** to sort the list by the amounts of memory used to store applications or alphabetically by application names.
4. Touch an application to view its information, to control its running, and to move it to the microSD card or phone memory or un-install it, if possible.

Battery usage

View a list of phone subsystems and the percentage of battery power used by each of them.

■ From the **Settings** menu, touch **Applications ➔ Battery usage**. Touch an item to view subsystem information.

Development

Set options for application development.

USB debugging

When enabled, allows debugging when the phone is attached to a PC by a USB cable.

Note: This setting is used for application development purposes.

■ From the **Settings** menu, touch **Applications ➔ Development ➔ USB debugging** to enable or disable the setting. When enabled, a check mark displays in the check box.

Allow mock locations

This setting is used by developers when developing location-based applications.

Note: This setting is used for application development purposes.

■ From the **Settings** menu, touch **Applications → Development → Allow mock locations** to enable or disable the setting. When enabled, a check mark displays in the box.

Accounts and sync

Set up and manage your accounts, including your Google and Backup Assistant accounts.

General sync settings
Background data

When enabled, all accounts can sync, send, and receive data at any time, in the background.

Important! Disabling background data can extend battery life and lower data use. Some applications may still use the background data connection, even if this setting is disabled.

■ From the **Settings** menu, touch **Accounts and sync → Background data** to enable or disable the setting. When enabled, a check mark displays in the check box.

Auto-sync

When enabled, all accounts sync data at any time, automatically.

■ From the **Settings** menu, touch **Accounts and sync → Auto-sync** to enable or disable the setting. When enabled, a check mark displays in the check box.

Manage accounts

Use Manage accounts to set up and configure your accounts.

Note: Available settings depend on the type of account. Not all settings are available for all accounts.

1. From the **Settings** menu, touch **Accounts and sync**.
2. Under **Manage accounts**, touch the account to modify its settings.

   For more information about managing a Google account, see *"Managing a Google account"* on page 41.

   For more information about managing a Corporate Exchange account, see *"Managing a Microsoft Exchange account"* on page 42.

Adding an account

1. From the **Settings** menu, touch **Accounts and sync**.
2. Under **Manage accounts**, touch **Add account** and follow the prompts to enter your credentials and set up the account.

Tip: For more information about adding accounts, see *"Accounts"* on page 40.

Removing an account

Important! Removing an account also deletes all of its messages, contacts and other data from the phone.

1. From the **Settings** menu, touch **Accounts and sync**.
2. Touch an account to display its settings.
3. Touch **Remove account**, then touch **Remove account** at the prompt to remove the account and delete all its messages, contacts and other data.

Motion Settings

It is possible to control certain aspects of your device by simply tilting it. You can tilt your device to reduce or enlarge the screen. You can move an icon from one Home page to another by panning your device to the left or right while holding the icon.

1. From the **Settings** screen, touch **Motion**.
2. Touch **Motion activation** to make the following options available:
   • **Turn over**: activate to mute the incoming call ringer and playback of other sounds.
   • **Tilt**: Touch **Use motion** to activate the Gallery and Browser tilt-to-zoom option, then touch **Sensitivity** to set the sensitivity by dragging the slider between **Slow** and **Fast**. Touch **Test** to test your setting.
   • **Panning**: Touch **Use motion** to activate the Home and Applications screens icon moving panning option, then touch **Sensitivity** to set the sensitivity by dragging the slider between **Slow** and **Fast**. Touch **Test** to test your setting.
   • **Double tap**: Touch to enable automatic preparation of your phone for Voice talk voice commands when you double touch your phone.
3. Touch any of four **Tutorials** to play animated explanations of the **Motion activation** options.

Privacy

Use Privacy settings to manage use of personal information by your phone.

Personal data

Factory data reset

Use Factory data reset to return your phone to its factory defaults. This setting erases all data from your phone, including your Google or other email account settings, system and application data and settings, and downloaded applications. It will not erase current system software and bundled applications, or files stored on an optional installed memory card, such as music or photos.

■   From the **Settings** menu, touch **Privacy** ➔ **Factory data reset**, then follow the prompts to perform the reset.

Storage

Manage the use of memory resources in your phone's internal memory, and on an optional installed memory card.

SD card

1.   From the **Settings** menu, touch **Storage**.

2.   Under **SD card**, view **Total space** and **Available space** memory usage on an optional installed memory card (not user-configurable).

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3.   Touch **Unmount SD card** to prepare the memory card for safe removal or formatting. (For more information, see)

4.   Touch **Format SD card** to erase the memory card and prepare it for use with your phone.

Caution! Do not routinely format Memory Cards when you simply wish to delete some files. Repeated formatting of a Memory Card can shorten its useful life.

USB storage

1.   From the **Settings** menu, touch **Storage**.

2.   Under **USB storage**, view **Total space** and **Available space** memory usage on your phone's USB storage.

3.   Touch **Format USB storage** to erase the USB storage and prepare it for use storing data, such as music and photos.

System storage

View the amount of your phone's internal memory available for use. Your phone contains 2GB of internal memory.

Note: This setting cannot be configured.

■ From the **Settings** menu, touch **SD card & phone storage**. Under **System storage**, view **Available space**.

Language and keyboard

Language settings

Select language

Set the language used by your phone's screens.

1. From the **Settings** menu, touch **Language and keyboard**.
2. Touch **Select language**.
3. Select a language from the list.

Keyboard settings

Configure text entry options to your preferences.

Select input method

Select the default on-screen keypad that displays when you touch a text entry field.

1. From the **Settings** menu, touch **Language and keyboard** ➔ **Select input method**.

2. Select **Samsung keypad** (Samsung keypad is the default), or **Swype**.

Note: For details about using these on-screen keypads, see *"Entering Text"* on page 52.

Swype

Configure Swype settings. Swype is a new way to enter text by gliding your finger over the characters on the on-screen keyboard. (For more information, see *"Using the Swype Keyboard"* on page 55.)

1. From the **Settings** menu, touch **Language and keyboard**.
2. Touch **Swype** (Swype settings) to access the following options (Touch items to enable or disable the setting. When enabled, a check mark displays in the check box.):

   • **Select Input Method**: Switch between keyboards.

   • **How to Swype**: Learn Swype through quick, easy-to-use steps.

   • **Personal dictionary**: Manage your personal dictionary.

   • **Preferences**:

      – **Audio feedback**: When enabled, plays sounds as you enter text.

      – **Vibrate on keypress**: When enabled, the phone vibrates for each key press.

      – **Show tips**: View helpful tips from Swype.

- **Auto-spacing**: When enabled, inserts spaces automatically when you pause entering text.
- **Auto-capitalization**: When enabled, automatically capitalizes the first letter of the first word in a sentence.
- **Show complete trace**: When enabled, briefly display the Swype trace.
- **Word suggestion**: When enabled, suggests possible matching words as you enter text.
- **Speed vs. accuracy**: Send the sensitivity of Swype text recognition.
- **Reset Swype's dictionary**: Remove all words you have added to Swype's dictionary.
- **About**

  Version: View the current Swype software version.

- Language Options: Activate and set languages.
  - **Change current language**: Select a language for the Swype keyboard.
  - **Active**: Displays a list of languages. The active language is dimmed.

Samsung keypad

Configure Samsung keypad settings. For more information about entering text with the Samsung keypad.

1. From the **Settings** menu, touch **Language and keyboard**.

2. Touch **Samsung keypad** (Samsung keypad settings) to access the following options:

   • **Portrait keypad types**: Select which type of Samsung keypad displays when you touch a text entry field, either Qwerty Keypad, 3x4 Keypad (classic phone style keypad), Handwriting box 1, or Handwriting box 2.

   • **Input languages**: Select the language you want to enter using the Samsung keypad.

   • **XT9**: When enabled, lists words that include your key presses.

   • **XT9 advanced settings**: Lets you enable those XT9 features you want to use and disable those you don't want to use.

   • **Keypad sweeping**: When enabled, lets you select text entry modes by sweeping across the Samsung keypad.

   • **Character preview**: When enabled, displays an enlarged image of the character generated by each key pressed.

   • **Auto-capitalization**: When enabled, automatically capitalizes the first letter of the first word in a sentence.

- **Handwriting settings**: Select the Recognition time value or About for release information about the handwriting recognition software.
- **Voice input**: When enabled, inputs your speech as text.
- **Auto-full stop**: When enabled, Samsung keypad automatically inputs a period after the last word entered when you enter a second space.
- **Tutorial**: Learn about this keypad's functions.

3. Touch options to enable or disable the setting. When enabled, a check mark displays in the check box.

Voice input and output

Voice input

Voice recognition

1. From the **Settings** menu, touch **Voice input and output → Voice recognition**. The following options are available:
   - **Samsung powered by Vlingo**
   - **Google** (Google is the default.)
2. Select the preferred voice recognition option.

Voice recognition settings

Voice recognition lets you conduct searches by speaking to your phone.

1. From the **Settings** menu, touch **Voice input and output → Voice recognition settings**.
2. Touch a setting to configure:
   - **Language**: Select your preferred spoken language from the list.
   - **SafeSearch**: (Applies only to Google searches.) Select how closely you want Voice recognition to monitor your speech for explicit images: **Off** (none), **Moderate**, or **Strict**.
   - **Block offensive words**: Omits offensive words from your searches.
   - **Personalized recognition**: Adapts your device's speech recognition to more closely match your voice.
   - **Google Account dashboard**: Lets you manage the data collected and stored in your Google account.

Voice output

Text-to-speech settings

Text-to-speech provides audible readout of text, for example, the contents of text messages, and the Caller ID for incoming calls.

1. From the **Settings** menu, touch **Voice input and output** ➔ **Text-to-speech settings**.
2. Touch a setting to configure:
   • **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).
   • **Driving mode**: When enabled, reads out the CallerID for incoming calls, new notifications, and other information you select.
   • **Driving mode settings**: When enabled, select what information Driving mode reads out.
   • **Always use my settings**: When enabled, your settings override the application's default settings.
   • **Default settings**: Configure settings to your preferences. When Always use my settings is enabled, these settings override the application's default settings.
      – **Default engine**: Set the speech synthesis engine for spoken text.
      – **Install voice data**: Download and install the speech synthesis data needed to activate Text-to-speech from Play Store™ (free).
      – **Speech rate**: Set the speed at which the text is spoken.

      – **Language**: Set the language voice for spoken text.
   • **Engines**: Set language(s) supported by available speech synthesis engine(s) – Samsung TTS and Pico TTS.

Accessibility

Accessibility services are special features to make using the phone easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

1. From the **Settings** menu, touch **Accessibility**.
2. Touch **Accessibility** to activate or deactivate accessibility services. When activated, a check mark displays in the box.

Accessibility services

Enable or disable accessibility services.

Note: You must activate the **Accessibility services** setting before enabling services.

1. From the **Settings** menu, touch **Accessibility**.
2. Touch a service to enable or disable it. When enabled, a check mark displays in the check box:
   • **TalkBack**: When enabled, recites menu options, application titles, contacts, and other items when scrolling and making selections.

The power key

When enabled, this option lets you end calls by pressing the Power-Lock key.

■ From the **Settings** menu, touch **Accessibility → The power key ends calls** to enable/disable this option. When activated, a check mark displays in the box.

Vision

1. From the **Settings** screen, touch **Accessibility**.
2. Touch **Assistive light** to activate torch to see better.

Audio

1. From the **Settings** screen, touch **Accessibility**.
2. Touch **Mono audio** so you can listen through one earphone.

Easy access

1. From the **Settings** screen, touch **Accessibility**.
2. Touch **Accessibility shortcut** so you can use the **Power/Lock** key to add an accessibility shortcut to phone options.

Dock settings

Configure your phone's behavior when it is connected to an optional dock (not included).

■ From the **Settings** menu, touch **Dock**. The following option is available.

• **Audio output mode**: When enabled, audio will play from external speakers when the phone is docked.

Date and time

By default, your phone receives date and time information from the wireless network. When you are outside network coverage, you may want to set date and time information manually using the Date and time settings.

1. From the **Settings** menu, touch **Date and time**.
2. Touch a setting to configure:

• **Automatic**: Touch to enable or disable automatic date and time updates from the wireless network. When enabled, a check mark displays in the check box.

• **Set date**: Enter the current date (only available when the Automatic setting is disabled).

• **Select time zone**: Choose your local time zone (only available when the Automatic setting is disabled).

• **Set time**: Enter the current time (only available when the Automatic setting is disabled).

• **Use 24-hour format**: Set the format for time displays.

• **Select date format**: Set the format for date displays.

About phone

View information about your phone, including status, legal information, hardware and software versions, and a tutorial.

1. From the **Settings** menu, touch **About phone**.
2. Touch items to view details:
   • **System updates**: Allows you to either manually check for and download new software or confirm the current status information. The phone automatically updates itself with the latest downloaded software.
   • **Status**: View Battery status, Battery level, My phone number, MIN, PRL version, MEIDs (D & H), Network, Signal strength, Service state, Roaming, User name, Mobile network state, Wi-Fi MAC address, Bluetooth address, and Up time.
   • **Battery usage**: Display currently running processes and applications.
   • **Legal information**: Display open source licenses and Google info.
   • **System tutorial**: View a tutorial to help you learn how to use your phone. Follow the prompts to move through the tutorial topics.
   • **Model number**: Display your phone's model number.
   • **Android version**: Display the Android OS version of your phone.
   • **Baseband version**: Display the baseband version of your phone.
   • **Kernel version**: Display the kernel version of your phone.

• **Build number**: Display your phone's build number.
• **Hardware version**: Display the hardware version of your phone.

Section 11: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms "mobile device" or "cell phone" are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike "hands-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

• Reduce the amount of time spent on the cell phone;

• Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program:
  http://www.fcc.gov/oet/rfsafety/.
- Environmental Protection Agency (EPA):
  http://www.epa.gov/radtown/wireless-tech.html.
- Occupational Safety and Health Administration (OSHA):
  http://www.osha.gov/SLTC/radiofrequencyradiation/.
  (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH):
  http://www.cdc.gov/niosh/.
- World Health Organization (WHO):
  http://www.who.int/peh-emf/en/.
- International Commission on Non-Ionizing Radiation Protection:
  http://www.icnirp.de.
- Health Protection Agency:
  http://www.hpa.org.uk/Topics/Radiation/.
- US Food and Drug Administration:
  http://www.fda.gov/Radiation-EmittingProducts/
  RadiationEmittingProductsandProcedures/
  HomeBusinessandEntertainment/CellPhones/default.htm.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.

The maximum SAR values for this model phone as reported to the FCC are:

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- **Head:** 0.70 W/Kg.

- **Body:** 0.81 W/Kg.

SAR information on this and other model phones can be accessed online on the FCC's website through http://transition.fcc.gov/oet/rfsafety/sar.html. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

Smart Practices While Driving
On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired**. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

• Use a hands-free device;

• Secure your phone within easy reach;

• Place calls when you are not moving;

- Plan calls when your car will be stationary;

- Do not engage in stressful or emotional conversations;

- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;

- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.

- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.

- **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.

- **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.

- **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.

- **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.

- **Never use any charger or battery that is damaged in any way**.

- **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.

- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at:
 http://pages.samsung.com/us/recyclingdirect/
usactivities_environment_samsungrecyclingdirect_locations.jsp.

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to
 http://www.samsung.com/us/aboutsamsung/citizenship/
usactivities_environment_samsungrecyclingdirect.html?INT=STA_recyle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect
Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

> **FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.**
>
> **IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.**
>
> > **DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.**
> > FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF

THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

> **WARNING REGARDING DISPLAY**
>
> The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.
>
> **WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE**
>
> If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the "Standard Limited Warranty".

GPS & AGPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Certain Samsung mobile devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Use of AGPS in Emergency Calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

- Always tell the emergency responder your location to the best of your ability; and

- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore**, **you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs**.

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the mobile device is not on, switch it on.
2. From the Home screen, touch 📞 **Phone**.
3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
4. Touch the "Send" key. 📞

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

• Always turn the volume down before plugging the earphones into an audio source.

- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology
11730 Plaza American Drive, Suite 300
Reston, VA 20190
Voice: (800) 222-2336
Email: info@audiology.org
Internet:
http://www.audiology.org/Pages/default.aspx

National Institute on Deafness and Other Communication Disorders
National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320
Email: nidcdinfo@nih.gov
Internet:
http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4674)
1-800-CDC-INFO (1-800-232-4636)
Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:
http://www.cdc.gov/niosh/topics/noise/
default.html

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

• Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;

• Should not carry the mobile device in a breast pocket;

• Should use the ear opposite the implantable medical device to minimize the potential for interference;

• Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;

• Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.

M3 + M2 = 5

T3 + T2 = 5
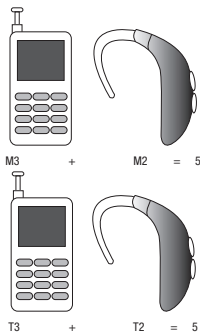
The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.

- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.

- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.

- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.

- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.

- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.

- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.

- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for

charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS;

INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or

to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this

arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082

Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

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10. Disclaimer of Warranty Regarding Third-Party Applications. SAMSUNG DOES NOT WARRANT OR MAKE ANY REPRESENTATIONS REGARDING THE AVAILABILITY, USE, TIMELINESS, SECURITY, VALIDITY, ACCURACY, OR RELIABILITY OF, OR THE RESULTS OF THE USE OF, OR OTHERWISE RESPECTING, THE CONTENT OF ANY THIRD-PARTY APPLICATION WHETHER SUCH THIRD-PARTY APPLICATION IS INCLUDED WITH THE

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Social Hub

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- Social Hub End User License Agreement which specifically governs your use of the software which forms part of, or enables you to access, the Service; and
- Social Hub Privacy Policy which governs our collection and use of personal information in connection with your access to and use of the Service.

By using the Service, you agree to be bound by the above documents. Please read through those documents to make sure you understand the basis on which Samsung is providing the Service to you.

You will be able to access additional features available at socialhub.samsungmobile.com.

Social Hub Terms and Conditions

Acceptance of the Terms

These Social Hub Terms and Conditions together with the Social Hub Privacy Policy and Social Hub End User Licence Agreement (collectively "Terms") govern your use of Social Hub, which comprises all content and services accessible through Social Hub (including third party content and services), and (if applicable) the website where you accessed these Terms (collectively the "Service"). The Terms constitute an agreement between you and Samsung Electronics Co., Ltd., and its affiliates (collectively "Samsung") with respect to the Service. By using the Service, you agree to be legally bound to the Terms.

You are not allowed to use the Service if you do not agree to the Terms. To the extent permitted by applicable law, Samsung reserves the right to modify, update, supplement, revise or otherwise change the Terms, and to impose new or additional rules, policies, terms or conditions in relation to the Service, from time to time with or without notice to you ("Amendments").

Samsung may provide you with notice of the Amendments by sending an email message to the email address listed in your account information (if any), or by posting the notice on the Social Hub website.

Such Amendments will be effective immediately and incorporated into the Terms upon sending or posting of such notice. You are responsible for regularly reviewing the Terms. Your continued use of the Service will be deemed to constitute your acceptance of any and all such Amendments.

Eligibility

To use the Service, you must be at least sixteen (16) years of age. If you are at least sixteen (16) years of age but are a minor for legal purposes where you live, you must review the Terms and have your parent or legal guardian accept the Terms on your behalf in order for you to use the Service. The person accepting the Terms on your behalf must be legally competent.

Your Information

When required to provide information in connection with your use of the Service, you agree to provide truthful and complete information. Providing misleading information about your identity is forbidden. When you first use the Service, you may be required to create a username and a password.

You (and your parent or legal guardian, if you are a minor) are personally responsible for any use of the Service with your username and password.

You agree to take due care in protecting your username and password against misuse by others and promptly notify Samsung about any misuse.

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Termination of Service

Samsung may terminate or restrict your access to certain parts of the Service if there is an indication that you have breached the Terms or at any time in its sole discretion.

Your Material

Except as set forth in the Social Hub Privacy Policy, Samsung shall not be responsible for any removal of the information or content you have submitted in the course of using the Service ("Material") when your access to the Service is terminated. Your submission of Material in the course of using the Service does not transfer ownership rights in the Material to Samsung. After the Material is removed from the Service by either you or Samsung, some traces of the Material may remain and copies of the Material may still reside within the servers used in providing the Service. However, Samsung does not claim ownership in your Material.

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Using the Service

You agree to:

- Use the Service only for your private, non-commercial purposes;
- Comply with applicable laws, the Terms and good manners;
- Not submit unlawful, offensive, abusive, pornographic, harassing, libelous or other inappropriate Material;
- Respect the privacy of others;
- Obtain any consents, permission or licenses that may be required for you to have the legal right to submit any Material; and
- Not distribute or post spam, unreasonably large files, chain letters, pyramid schemes, viruses or any other technologies that may harm the Service, or the interest or property of the Service users.

Unauthorized use of the Service (including any use in contravention of the Terms) is prohibited and may result in criminal prosecution and/or civil liability.

Restrictions

You and any third party directed by You must not display, copy, store, modify, sell, publish or redistribute the Service (whether all or any portion of it), and such displaying, copying, storing, modification, sale, publishing and redistribution shall be prohibited unless you have obtained all necessary rights and permissions from Samsung and the owners and right holders of such the Service or relevant part.

You must not use the Service for any purposes other than those permitted under the Terms. Without limiting this restriction, you must not use the service for any illegal purposes, to make unsolicited offers or advertisements, to impersonate or falsely claim affiliation with any person or entity, to misrepresent, harass, defraud or defame others, to post obscene or unreasonably offensive material, to negatively present the Service, nor for any commercial purposes.

Except as expressly permitted by the Terms, and except to the extent that applicable laws prevent Samsung from restraining you from doing so, you are not allowed to disassemble, reverse engineer, tamper with the Service, transmit malicious code or collect information of other users through the Service.

You may not take any action to interrupt the functionality of or tamper with the Service or any content or service contained in or provided through the Service, or any servers used in providing the Service, or to unreasonably affect others' enjoyment of the Service in any way.

Actions Required by Law

Samsung may need to comply with lawful interception and/or data retention requirements imposed by your country of residence or any other country in which you use the Service. Samsung may restrict access to any part of the Service or

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The Service may allow access to sites on the Internet that are owned or operated by third parties. Access to such sites does not imply that Samsung endorses the site or the conduct, products or services on the site. Upon accessing any such site, you must review and agree to the rules of use of the relevant site before using the site.

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Subscription Information

Use of the Service may involve transmission of data through your service provider's network. Your network service provider may charge you for such data transmission. Samsung assumes no responsibility for the payment of any such charges.

Availability

The Service may be network dependent - contact your network service provider for more information. Samsung reserves the right, in its sole discretion, to change, improve and correct the Service. The Service may not be available during maintenance breaks and other times. Samsung may also decide to discontinue the Service or any part thereof in its sole discretion. In such case you will be provided with prior notification.

Samsung does not represent or warrant that the Service, or any part thereof, is appropriate or available for use in any particular jurisdiction. If you choose to access the Service, you do so on you own initiative and at you own risk, and you are responsible for complying with all US federal, state and local laws, rules and regulations.

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The third party services and content you access through the Service and the telecommunications carriers and the network through which you access the Service are provided and hosted by your selected third party content and service providers who typically has a privacy policy of its own. We recommend you familiarize yourself with your service provider's privacy policy. Samsung is not responsible for the privacy or any other practices of such service providers. Although your messages will be transmitted through Samsung's servers, Samsung will not process the content or headers of your messages for any purpose other than as necessary to deliver and manage your messages, unless otherwise required by law.

In connection with certain services accessible via the Service, Samsung may cooperate with your operator and other third parties. Samsung may receive from such third parties certain device specific non-personal information, such as device serial number of the devices sold by the operator with preinstalled software for the Service. Such information may be used for aanalyzing the activation of the Service.

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REPLACING THE GOODS OR OF ACQUIRING EQUIVALENT GOODS; OR (D) THE PAYMENT OF THE COST OF HAVING THE GOODS REPAIRED.

Indemnification

You agree to defend, indemnify and hold harmless Samsung from and against any and all third party claims and all liabilities, assessments, losses, costs or damages resulting from or arising out of i) your breach of the Terms, ii) your infringement or violation of any intellectual property, other rights or privacy of a third party, iii) misuse of the Service by a third party where such misuse was made possible due to your failure to take reasonable measures to protect your username and password against misuse.

Choice of Law

Except where prohibited by applicable law or provided otherwise herein, the Terms shall be governed by the laws of the State of New York without regard to its conflict of law provisions.

You and Samsung agree to submit to the non-exclusive jurisdiction of the competent courts in the State of New York to resolve any legal matters arising from the Terms. Notwithstanding this, you agree that Samsung shall still be allowed to apply for injunctive remedies (or equivalent type of urgent legal relief) in any jurisdiction.

Miscellaneous

The Terms (including all documents comprising the Terms) constitute the entire agreement between you and Samsung, and supersedes any prior agreement between you and Samsung, with respect to your use of the Service. Your use of any third-party content or service accessed via the Service will be governed by the terms and conditions furnished with, and applicable to that content or service. If any provision of the Terms is held invalid, illegal or unenforceable, that portion of the Terms shall be construed in a manner consistent with applicable law to reflect, as nearly as possible, the original intentions of the parties, and the remaining portion of the Terms shall remain in full force and effect. Samsung's failure to enforce any right or provision of the Terms will not constitute a waiver of such provision, or any other provision of the Terms.

Samsung will not be liable or responsible for any failure to fulfill any of its obligations under the Terms which failure is due to any cause or condition beyond the reasonable control of Samsung. If there is any conflict between these Social Hub Terms and Conditions and the Social Hub Privacy Policy, the provisions of these Social Hub Terms and Conditions shall prevail. The provisions of the Terms that are intended to or by their nature should survive termination of your use of the Service shall remain valid after any such termination.

Social Hub Privacy Policy

Samsung Electronics Co., Ltd. ("Samsung") is committed to protecting the online privacy of visitors, users and customers to our Social Hub service. This privacy policy ("Privacy Policy") forms part of the Terms which govern your use of Social Hub(excluding any third party content and services), and (if applicable) the website where you accessed this Privacy Policy, (collectively, the "Service"). The purpose of the Privacy Policy is to inform you about the types of information we gather about you when you access or use the Service, how we may use that information, and if and how we disclose it to third parties.

All users of the Service are required to provide true, current, complete and accurate personal information when prompted and we will reject and delete any entry that we believe in good faith to be incorrect, false, falsified, or fraudulent, or inconsistent with or in violation of the Privacy Policy.

We will provide you with an opportunity to give your consent in relation to your use of the Service. Separate from such consent, your access or use of the Service will be construed as your acceptance of the Privacy Policy and of our collection, use, disclosure, management and storage of your personal information as described below. We may, from time to time, transfer or merge any personal information collected off-line to our online databases or store off-line information in an electronic format. We may also combine personal information we collect

online with information available from other sources, including information received from our affiliates, marketing companies, or advertisers. This Privacy Policy covers all such personal information and will remain in full force and effect as long as you are a user of the Service, even if your use of or participation in any particular service, feature, function or promotional activity terminates, expires, ceases, is suspended or deactivated for any reason.

INFORMATION THAT WE COLLECT

Personal Information

We may request that you supply us with "personal" information, such as your name, e-mail address, mailing address, home or work telephone number in the course of you accessing or using the Service, such as via registration forms, surveys, and polls. In each such case, you will know what categories of information we collect because you will actively provide the information to us. You may not be able to fully utilize all of the features or components of the Service if you choose not to provide certain information. If you do choose to give us personal information through the Service, we will collect and retain that information.

Non-Personal Information

When you use the Service, we may also collect "non-personal" information. We consider "non-personal information" to be information that, by itself, cannot be used to identify or contact

you personally, such as demographic information (your age, gender, income, education, profession, zip code, etc.). Non-personal information may also include technical information, such as your IP address and other anonymous data involving your use of the Service.

Non-personal information may also include information that you provide us through your use of the Service, such as the terms you enter into the search functions of Social Hub, mail inbox and instant messenger. We reserve the right to use or disclose non-personal information in any way we see fit.

USE OF INFORMATION WE COLLECT

Our Services

We use your personal information to provide you with any services that you may request or require, to communicate with you and to allow you to participate in online surveys. We use aggregated non-personal information about our users to understand the demographics of users of the Service, such as the percentage of male and female users, the geographic distribution of our users, the age ranges of our users, a combination of these and/or other demographics. We may also use the personal or non-personal information we collect to analyze how Service is being used, and to improve the content of the Service, and for marketing and promotional efforts.

E-mail Communications

If you send us an e-mail with questions or comments, we may use your personal information to respond to your questions or comments, and we may save your questions or comments for future reference. Aside from our reply to such an e-mail, it is not our standard practice to send you e-mail unless you request a particular service that involves e-mail communications. However, you consent to us contacting you by e-mail, and sending you information about products and services which we believe may be of interest to you. You may have the opportunity to subscribe to an electronic newsletter in which case information about the Service or our advertisers will be sent to your e-mail address. We will provide you with the option to change your preferences and opt-out of receiving those communications. You may request at any time that we not e-mail you in future by clicking the "unsubscribe" link which is included at the bottom of any e-mail that you receive from us. If you unsubscribe, we will make reasonable efforts to discontinue e-mail communications to you as soon as practicable.

DISCLOSURE OF INFORMATION TO THIRD PARTIES

Aggregate Information

Except as specifically set forth in this Privacy Policy, we do not share your personal information with any third party without your permission. We may disclose aggregate information, such as demographic information, and our statistical analyses to third parties, including advertisers or other business partners. This aggregate information does not include your personal information.

Service Providers

We sometimes engage unaffiliated businesses to assist us in providing you certain services. For example, we may use third parties to provide advertising, marketing and promotional assistance, provide e-mail services, or facilitate our online services. In those instances, we may need to share your personal information with them.

We require these companies to use your personal information only to provide the particular product or service and do not authorize them to use your personal information for any other reason. We sometimes offer promotions in conjunction with a third party sponsor.

If you choose to participate in those promotions, we may share your information with the sponsor if they need it to send you a product or other special promotion they offer.

Third Party Advertisers

We may use third-party advertising companies to deliver specific advertisements to you. These companies may collect non-personal information about your visits to Social Hub in order to provide advertisements about products and services that may be of interest to you.

These companies may also aggregate your non-personal information for use in targeted advertising, marketing research, and other similar purposes. These companies may place their own cookies on your computer. If you want to prevent a third-party advertiser from collecting and using this information, you may visit each third party advertiser's website directly and opt-out.

Other Disclosures

We may disclose personal information when we are required or requested to do so by law, court order or other government or law enforcement authority or regulatory agency; to enforce or apply our rights and agreements; or when we believe in good faith that disclosing this information is necessary or advisable, including, for example, to protect the rights, property, or safety of the Service and Samsung, our users, or others.

CHILDREN

The Service is not designed for use by children without their parent's supervision. We ask that anyone under the age of sixteen (16) not submit any personal information through the Service. We do not knowingly collect any personal information from children under the age of eighteen, and therefore we do not knowingly distribute such information to third parties.

SECURITY OF THE INFORMATION WE COLLECT

The security of your personal information is important to us. We maintain physical, electronic, and procedural safeguards to secure your personal information. However, there is always some risk in transmitting information electronically. The personal information we collect is stored within databases that we control.

As we deem appropriate, we use security measures consistent with industry standards, such as firewalls and encryption technology, to protect your information. However, we cannot guarantee the security of our databases, nor can we guarantee that information you supply won't be intercepted while being transmitted to us over the Internet.

CHAT ROOMS AND OTHER PUBLIC AREAS

Our third party service and content providers may offer chat, user reviews, bulletin boards, or other public functions and any posting by you is considered public information available to other users. Any posting is governed in accordance with the third party

service and content providers' terms and conditions. You should take care not to use personal information in your screen name or other information that might be publicly available to other users.

Archived Information

We maintain archives of web logs, database, and other systems and information in relation to the Service. Please note that it is possible some of this information may remain archived after we delete the information from its active database. We maintain archives for disaster recovery, legal and other non-marketing purposes.

How can I update my profile?

You can help us maintain the accuracy of your profile by notifying us when you change zip/postal code, country of residence, age range, or e-mail address. If at any time you wish to update your information or stop receiving communication from us, sign in to the Service and then select 'update your profile' to change your preferences.

CONTESTS AND SWEEPSTAKES

Registration may be required to enter promotions such as contests and sweepstakes on Social Hub. These registration or entry processes may require your submission of personal information such as your first and last name, street address, city, state and zip code, e-mail address, telephone number and date of birth. The entry page and/or rules for the promotion will

provide the specific requirements for the promotion. You may also have the opportunity to opt-in to special offers from our advertisers in connection with these promotions.

ACCURACY OF THE INFORMATION WE COLLECT

Any questions you may have regarding this Privacy Policy, the accuracy of your personal information or the use of your personal information, or any requests that we correct, update, or remove your information in our databases, should be directed via e-mail to s.dufresne@Samsung.com, or via regular mail to:

Samsung Telecommunications America, LLC
1301 E. Lookout Drive, Richardson, TX 75082
Attn: Customer Support Department

After receiving a request to change your information, we will make reasonable efforts to ensure that all of your personal information stored in databases we actively use to operate the Service will be updated, corrected, changed or deleted, as appropriate, as soon as reasonably practicable. However, we reserve the right to retain in our archival files any information we remove from or change in our active databases. We may retain such information to resolve disputes, troubleshoot problems and enforce our Terms.

In addition, it is not technologically possible to remove each and every record of the information you have provided to us. A copy of your personal information may exist in a non-erasable form that will be difficult or impossible for us to locate.

CHANGES TO PRIVACY POLICY

This Privacy Policy is effective as of May 29, 2010 and complies with Samsung's Corporate Privacy Policy. We reserve the right to change this Privacy Policy at any time, and will post any such changes to this Privacy Policy on the Social Hub website. Please refer back to the Social Hub website on a regular basis to obtain the most up to date Privacy Policy.

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